

FIG. 1

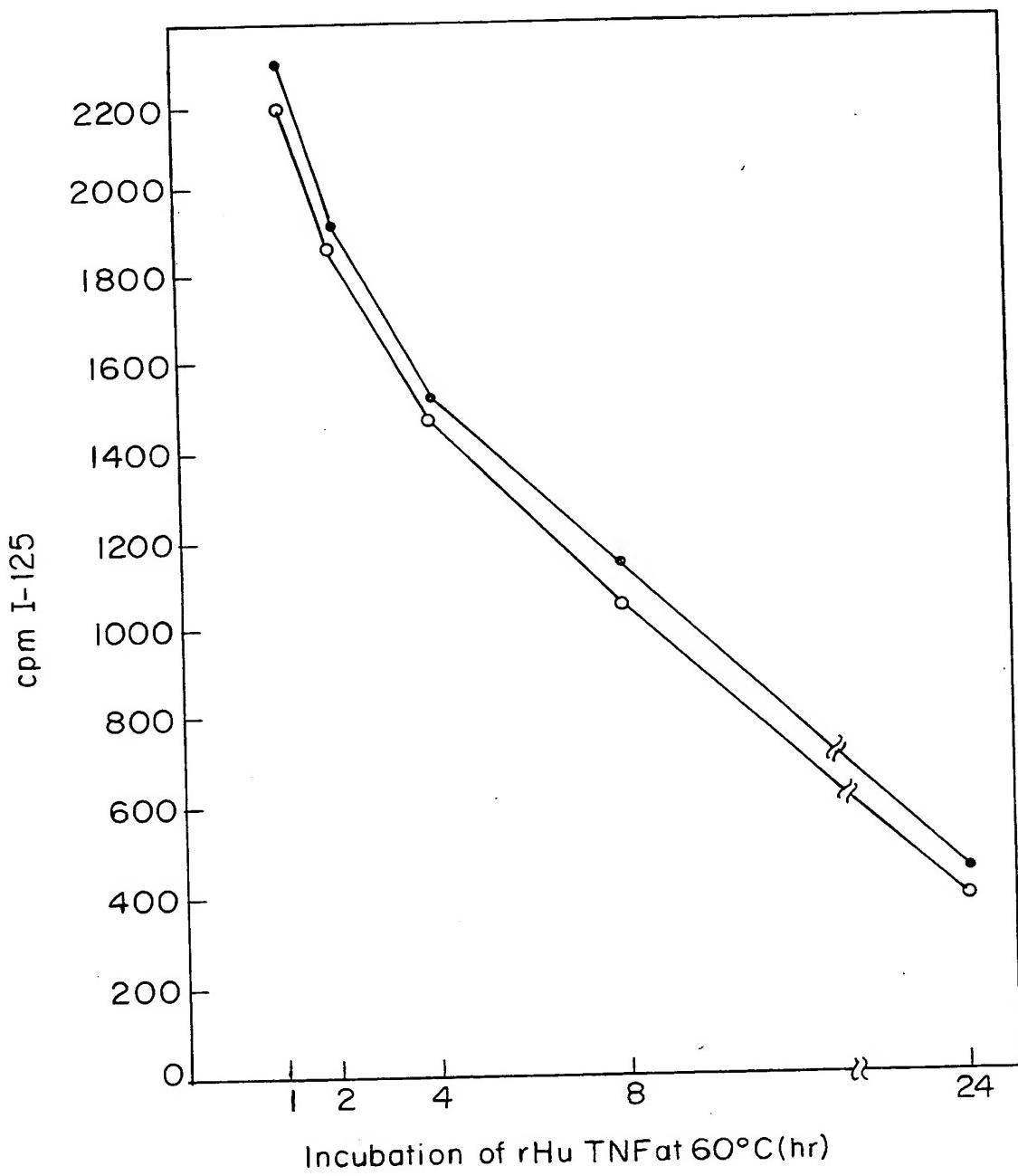


FIG. 2

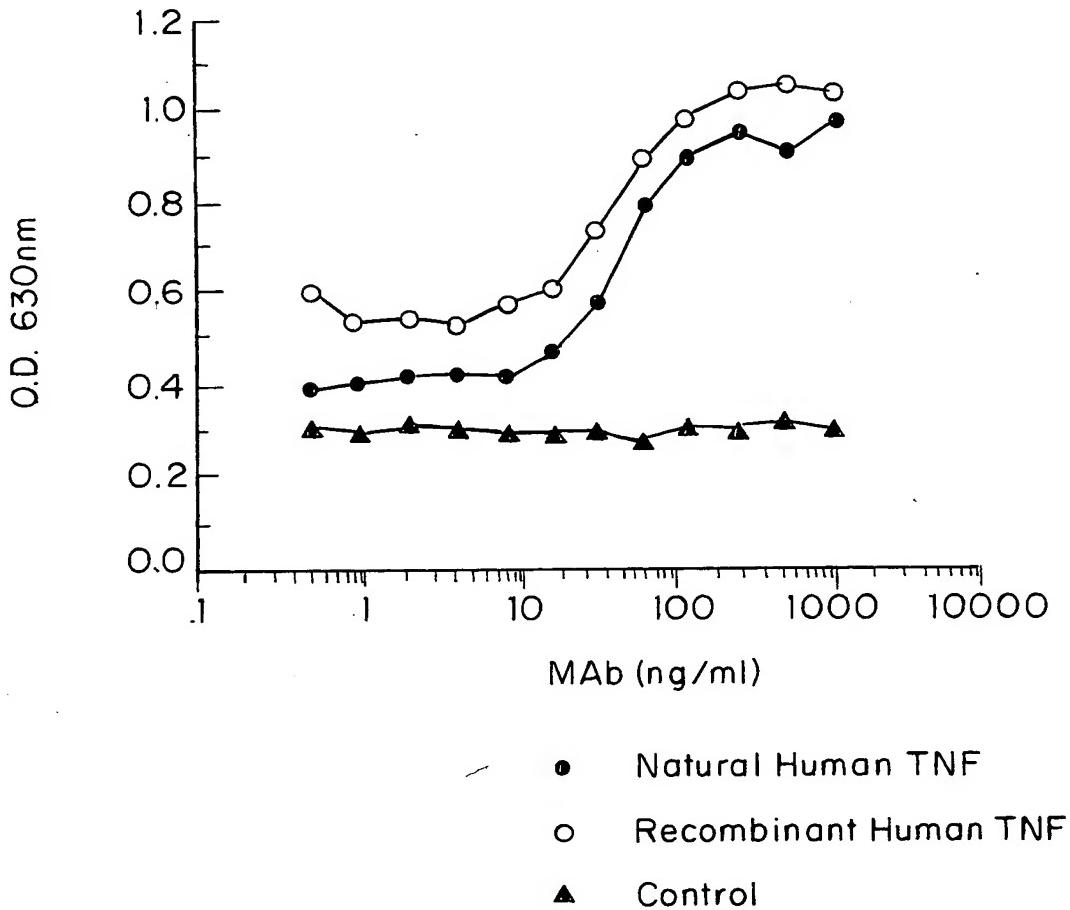


FIG. 3

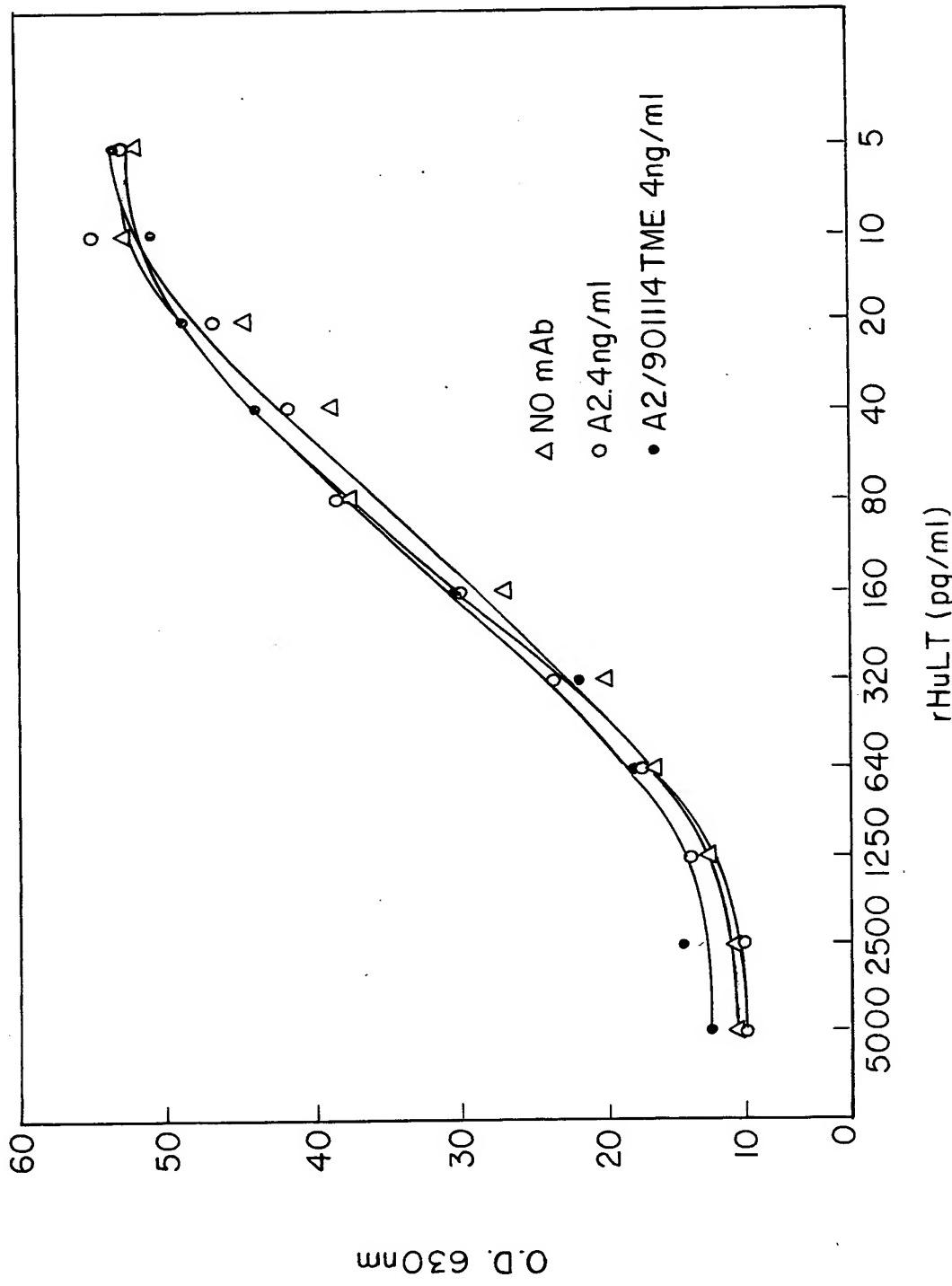


FIG. 4

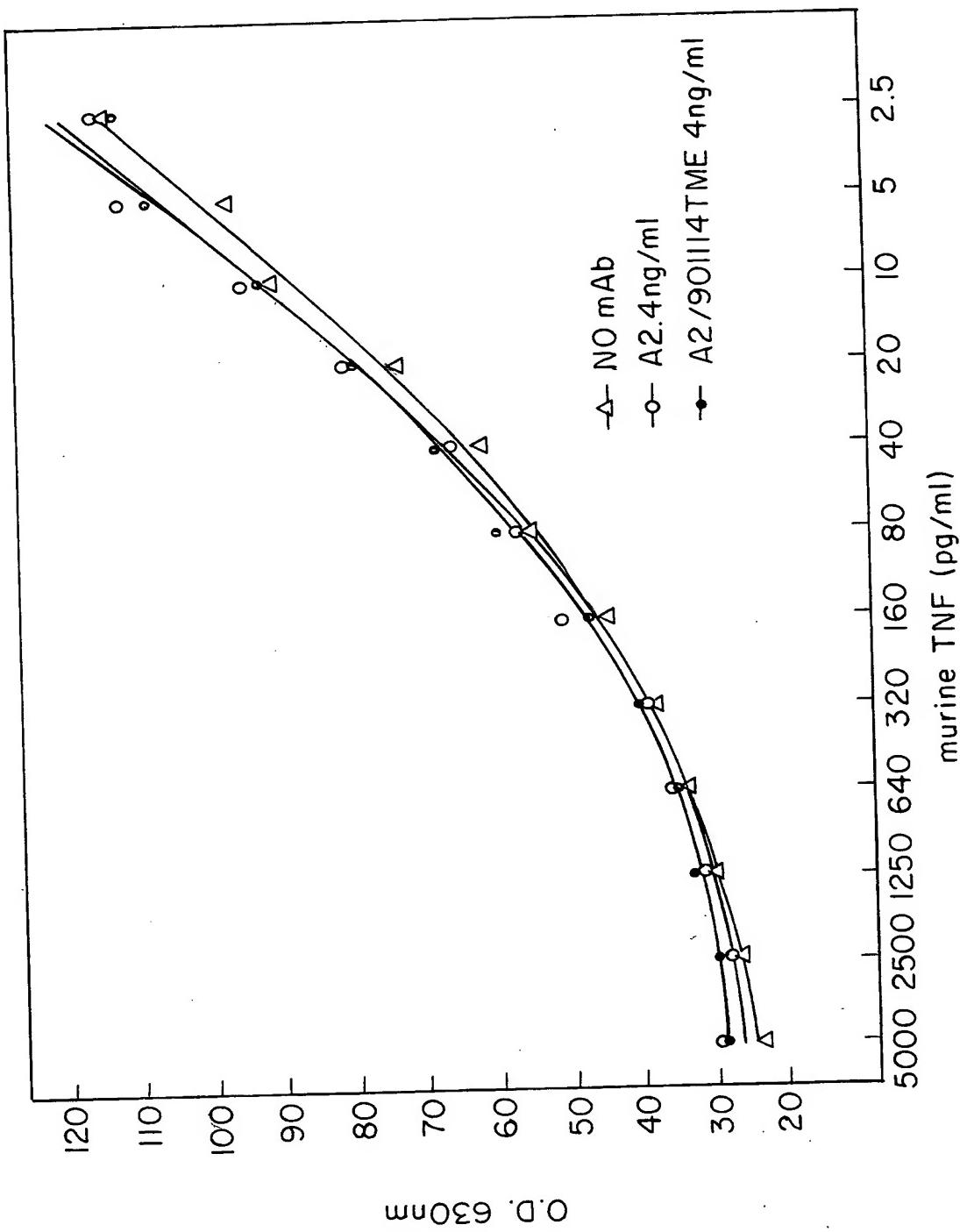


FIG. 5

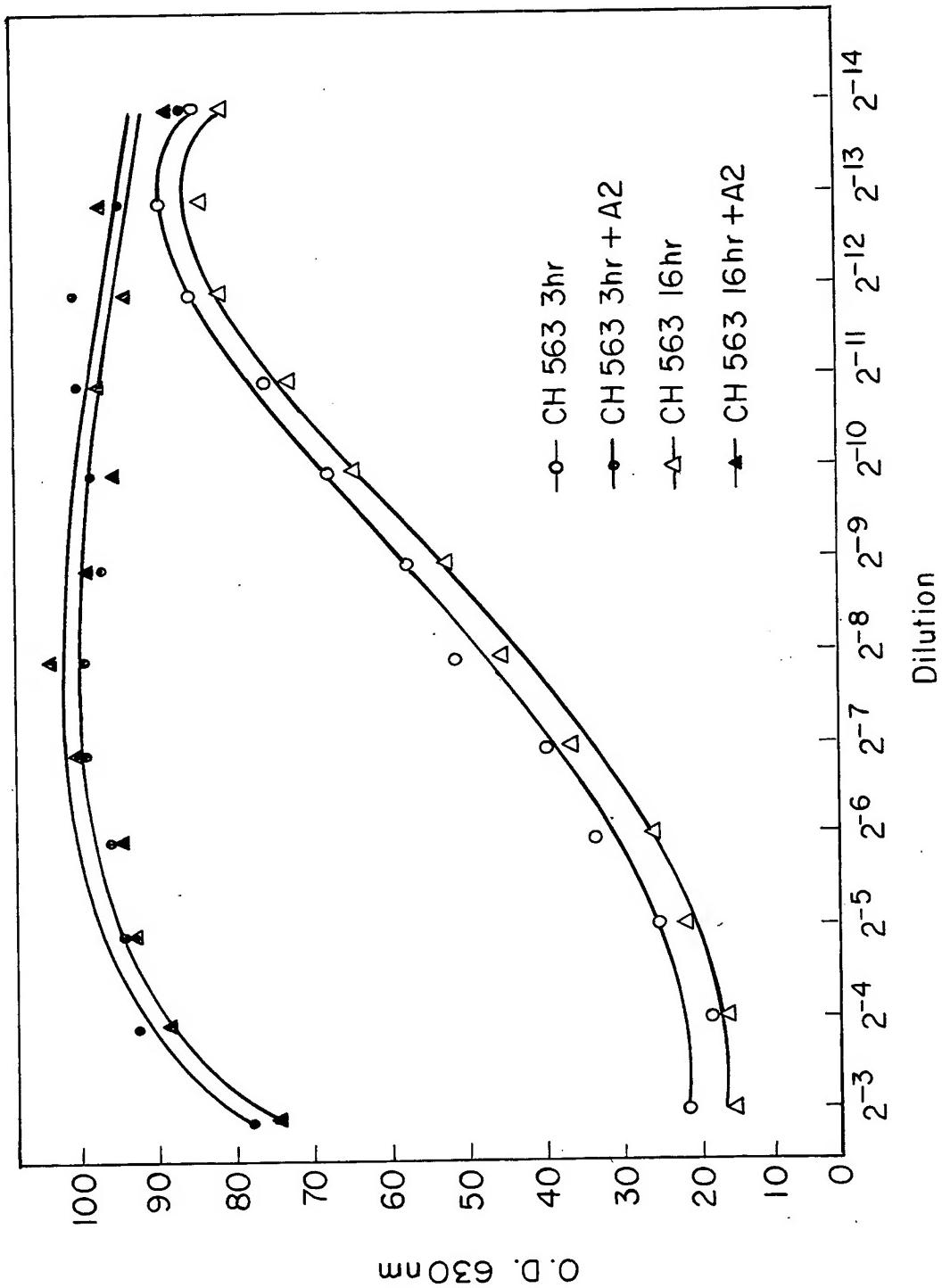


FIG. 6

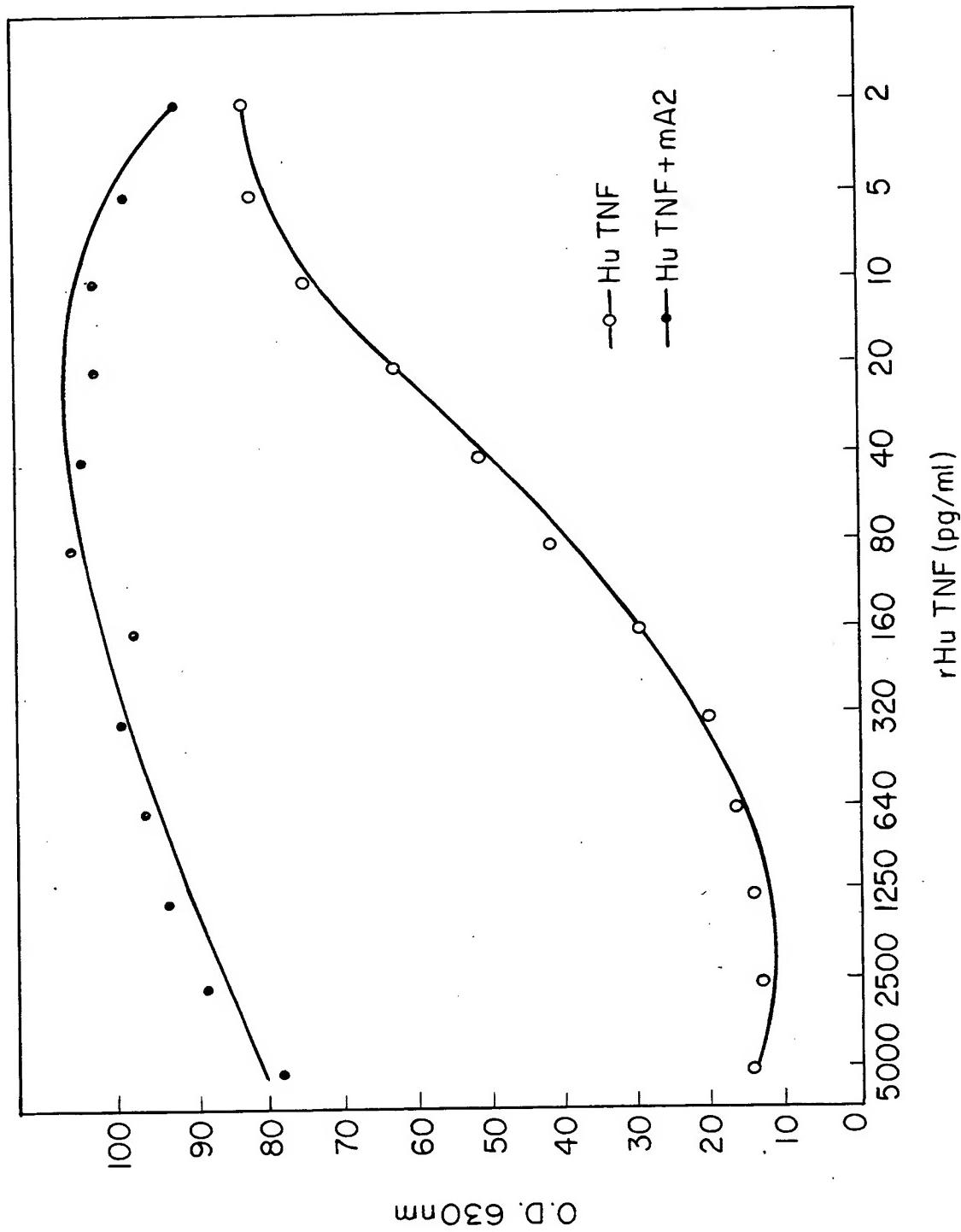


FIG. 7

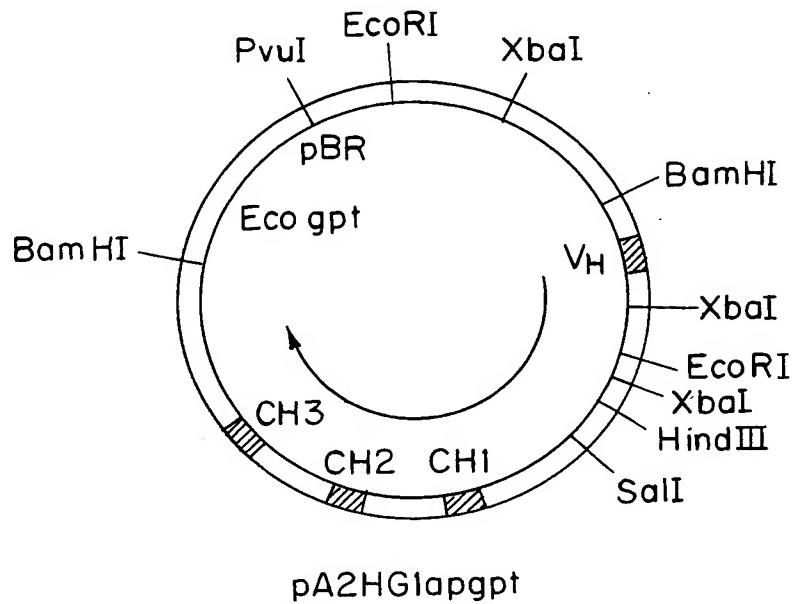


FIG. 8A

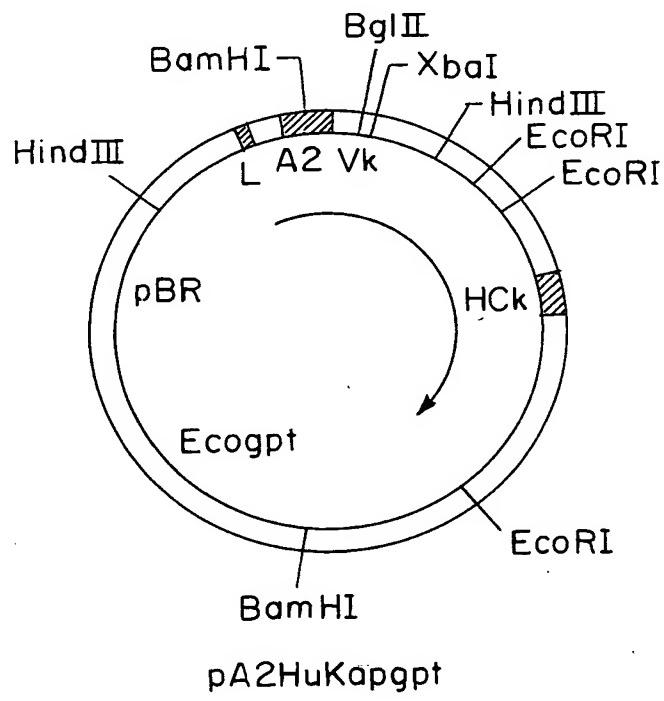


FIG. 8B

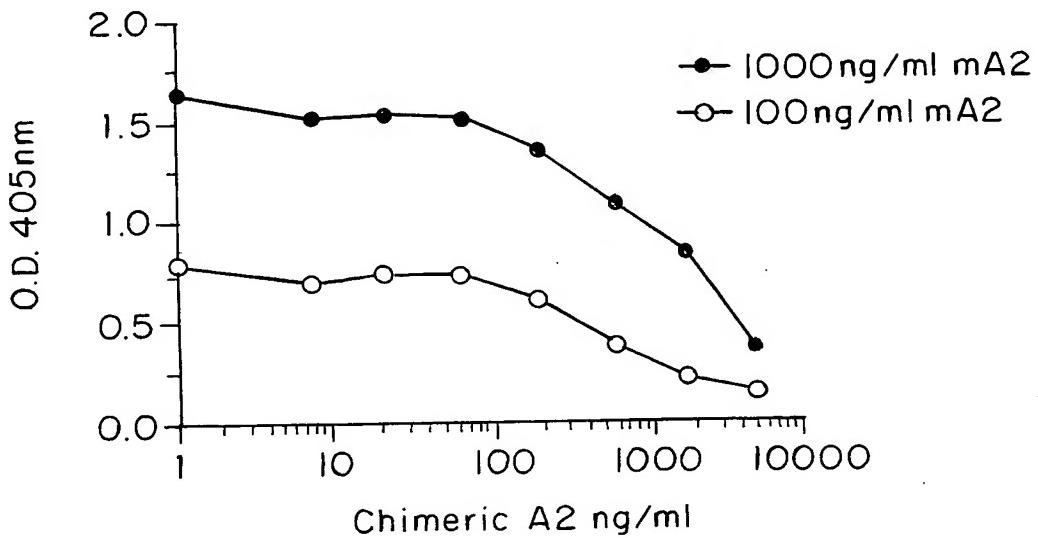


FIG. 9A

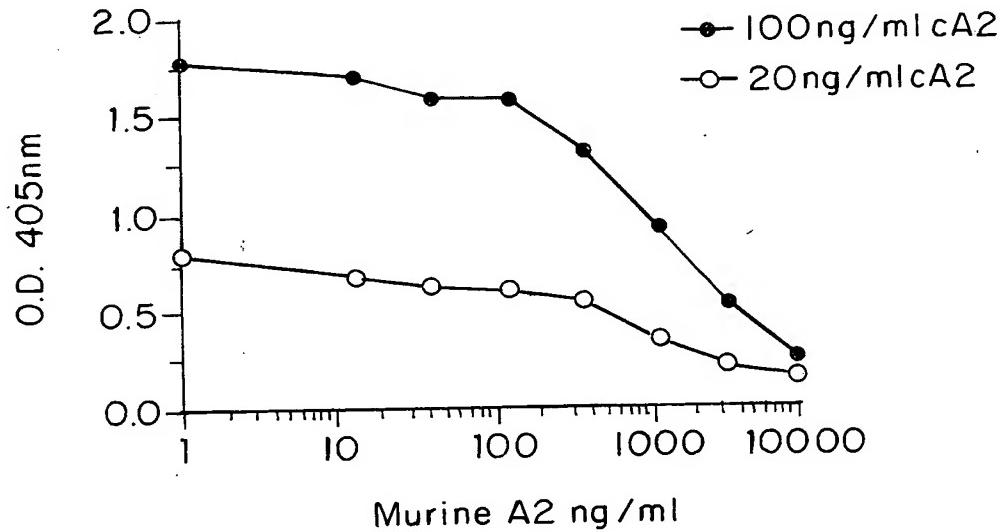


FIG. 9B

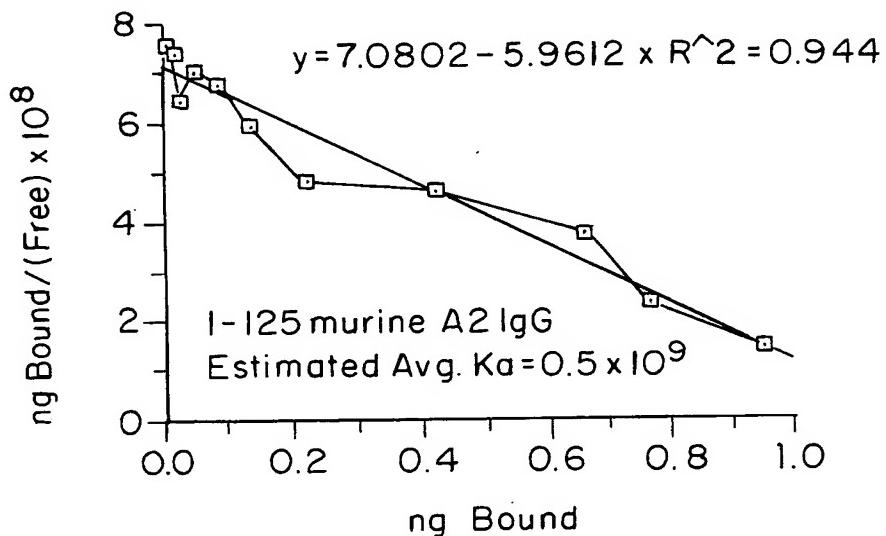


FIG. 10A

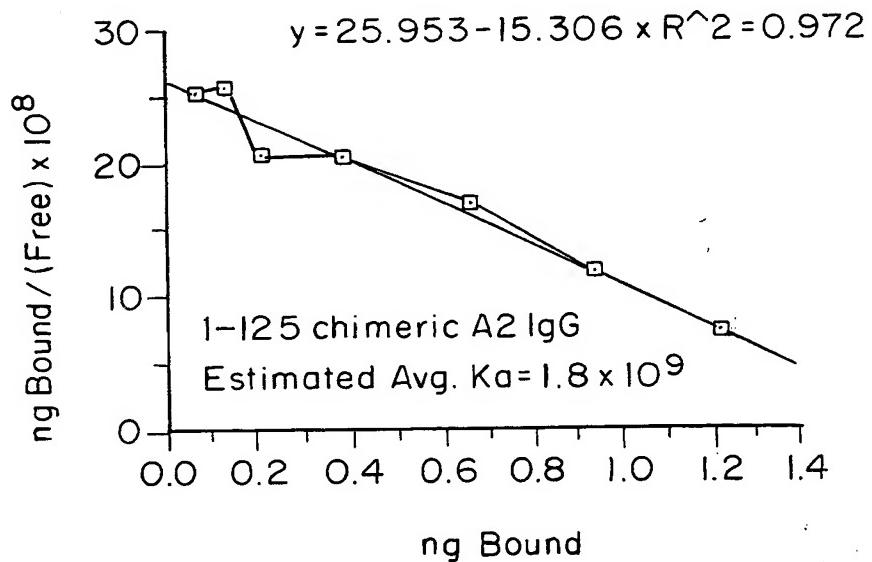


FIG. 10B

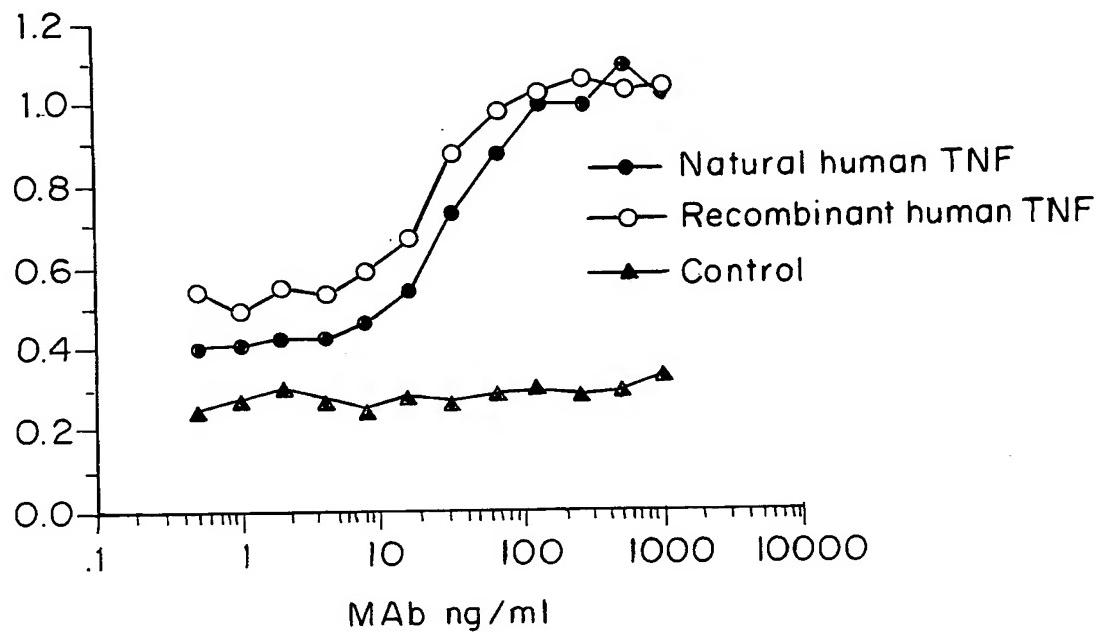


FIG. 11

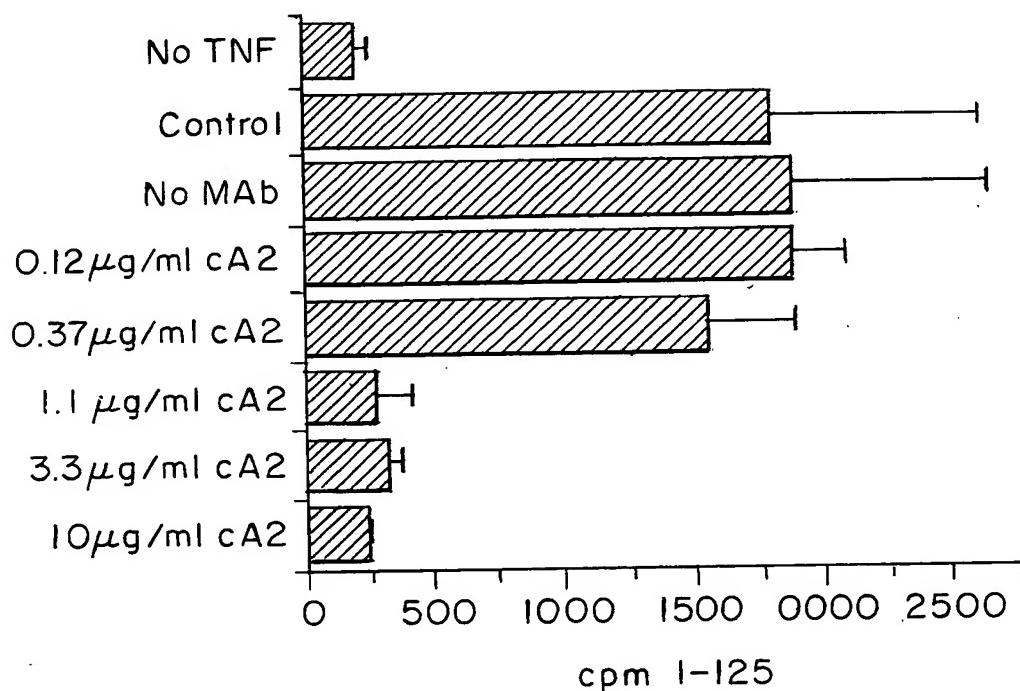


FIG. 12

1 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro
10
21 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly
30
41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser
50
61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Thr His Thr Ile
70
81 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro
90
101 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro Ile Tyr Leu
110
121 Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp
130
141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
150

FIG. 13

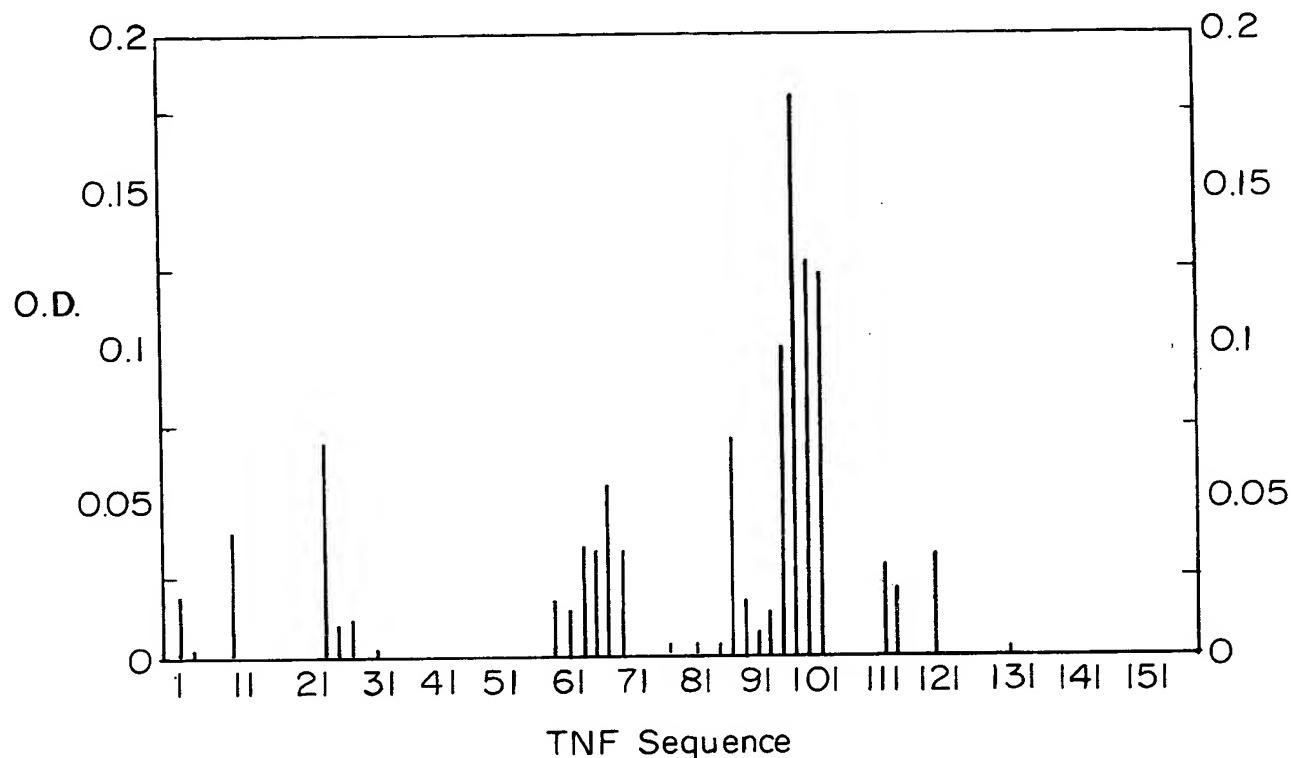


FIG. 14A

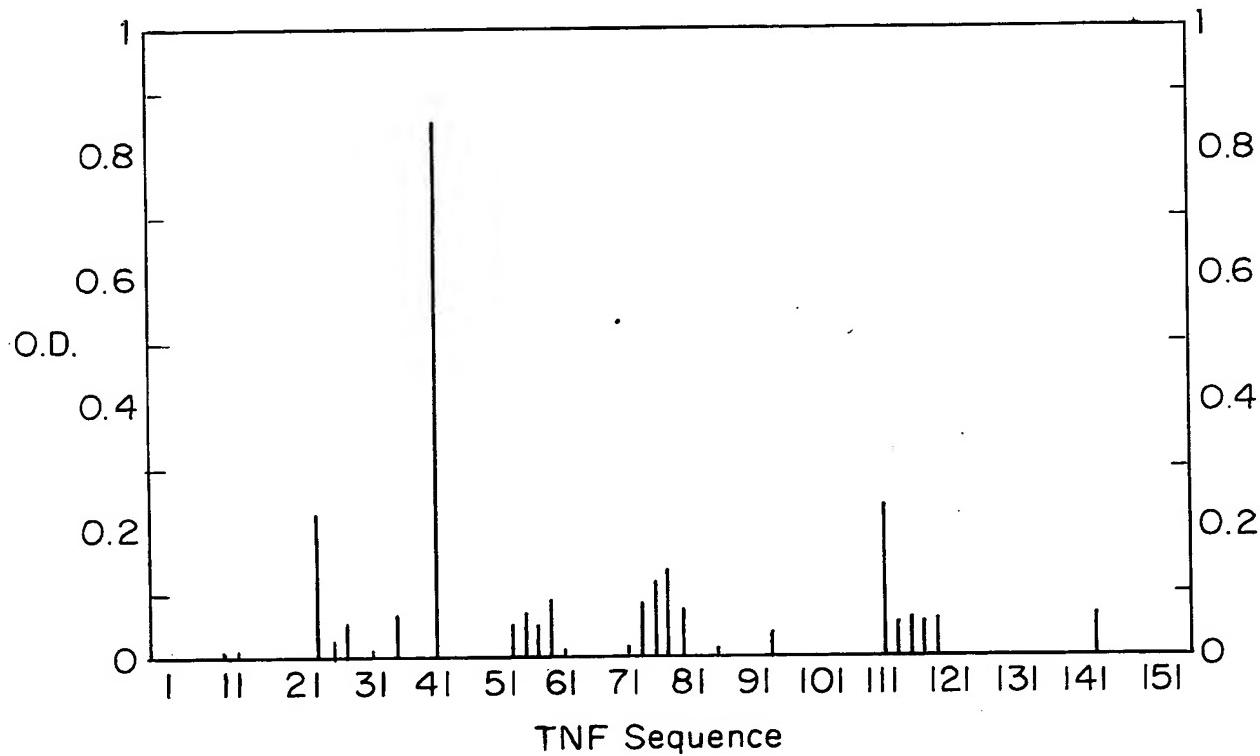


FIG. 14B

1 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro
10

21 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly
30

41 Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu Gly Leu Tyr Ile [Tyr Ser]
50

61 Gln Val Leu Phe Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Thr His Thr Ile
70

81 Ser Arg Ile Ala Val Ser [Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro]
90

101 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trip Tyr Glu Pro Ile Tyr Leu
110

121 Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp
130

141 Tyr Leu Asp Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
150

GACATCTTGCTGACTCAGTCTCCAGCCATCCTGTGAGTCCAGGAGAAAGAGTCAGT
AspIleLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer

TTCCTGCAGGCCAGTCAGTCGTTGGCTCAAGCATCCACTGGTATCAGCAAAGAACAA
PheSerCysArgAlaSerGlnPheValGlySerSerIleHisTrpTyrglnGlnArgThr

AATGGTTCTCCAAGGCTTCTCATAAAGTATGCTTCTGAGTCTATGTCGGATCCCTCC
AsnGlySerProArgLeuIleLysTyrAlaSerGluSerMetSerGlyIleProSer

AGGTTAGTGGCAGTGGATCAGGGACAGATTACTCTTAGCATCAACACTGTGGAGTCT
ArgPheSerGlySerGlySerGlyThrAspPheThrIleSerIleAsnThrValGluSer

GAAGATATTGCAGATTACTGTCAAGGAAAGTCATAGCTGGCCATTACGGTTCGGCTCG
GluAspIleAlaAspTyrrTyrcysGlnGlnSerHisSerTrpProPheThrPheGlySer

GGGACAAATTGGAAAGTAAAA
GlyThrAsnLeuGluValLys

FIG. 16A

GAAGTGAAGCTTGAGGAGTCCTGGAGGGCTTGGCAACCTGGAGGATCCATGAAACTC
GluValLysLeuGluGluSerGlyGlyGlyLeuValGlnProGlyGlySerMetLysLeu

TCCCTGTGCCCTCTGGATTCACTTTCAGTAACCACTGGATGAAACTGGGTCCGCCAGTCT
SerCysValAlaSerGlyPheSerAsnHisTrpMetAsnTrpValArgGlnSer

CCAGAGAAGGGCTTGAGTGGTTGCTGAAATTAGATCAAATCTTAAATTCTGCCAACAA
ProGluLysGlyLeuGluTrpValAlaGluIleArgSerLysSerIleAsnSerAlaThr

CATTATGGGAGTCTGTGAAAGGGAGGTTCACCATCTCAAGAGATGATTCCAAAAGTGCT
HisTyrAlaGluSerValLysGlyArgPheThrIleSerArgAspAspSerLysSerAla

GTGTACCTGCAAATGACCGACTTAAGAACACTGAAGACACTGGCGTTTATTA
ValTyrLeuGlnMetThrAspLeuArgThrGluAspThrGlyValTyrTyrCysSerArg

AATTACTACGGTAGTACCTACGGACTTAAGAACACTGAAGACACTGGCGTTTATTA
AsnTyrTyrGlySerThrTyrAspTyrTrpGlyGlyGlyThrThrLeuThrValSer

FIG. 16B

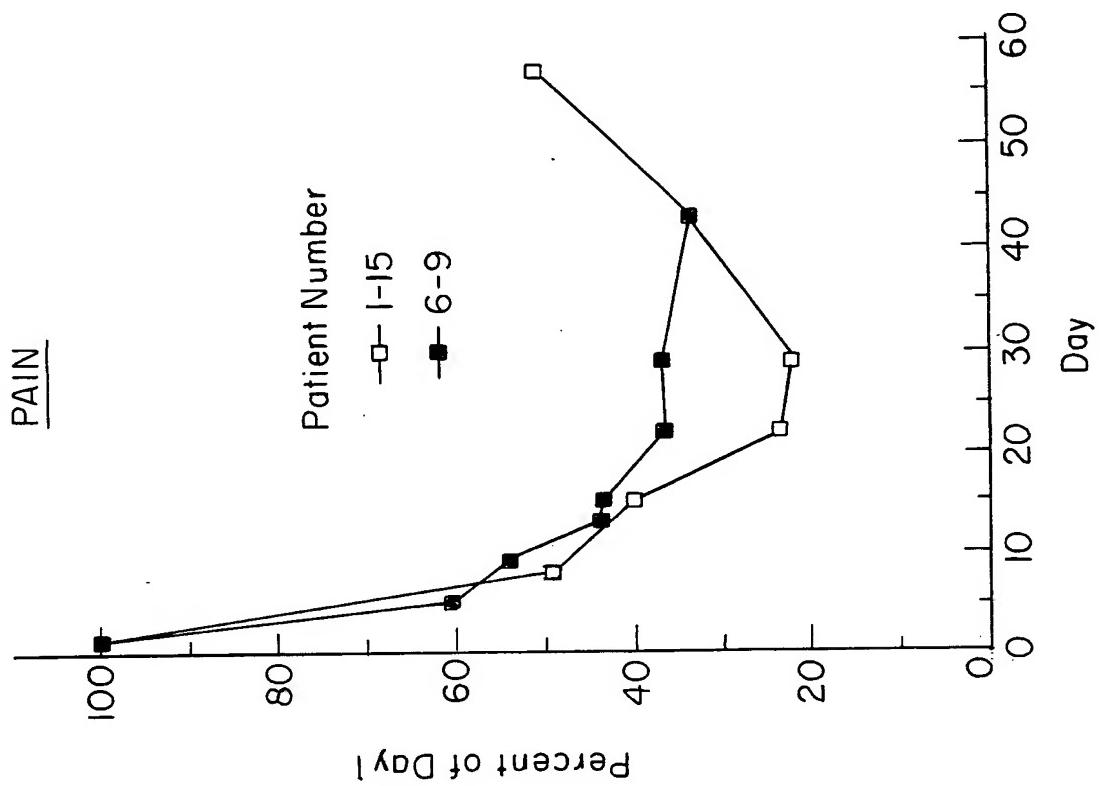


FIG. 18

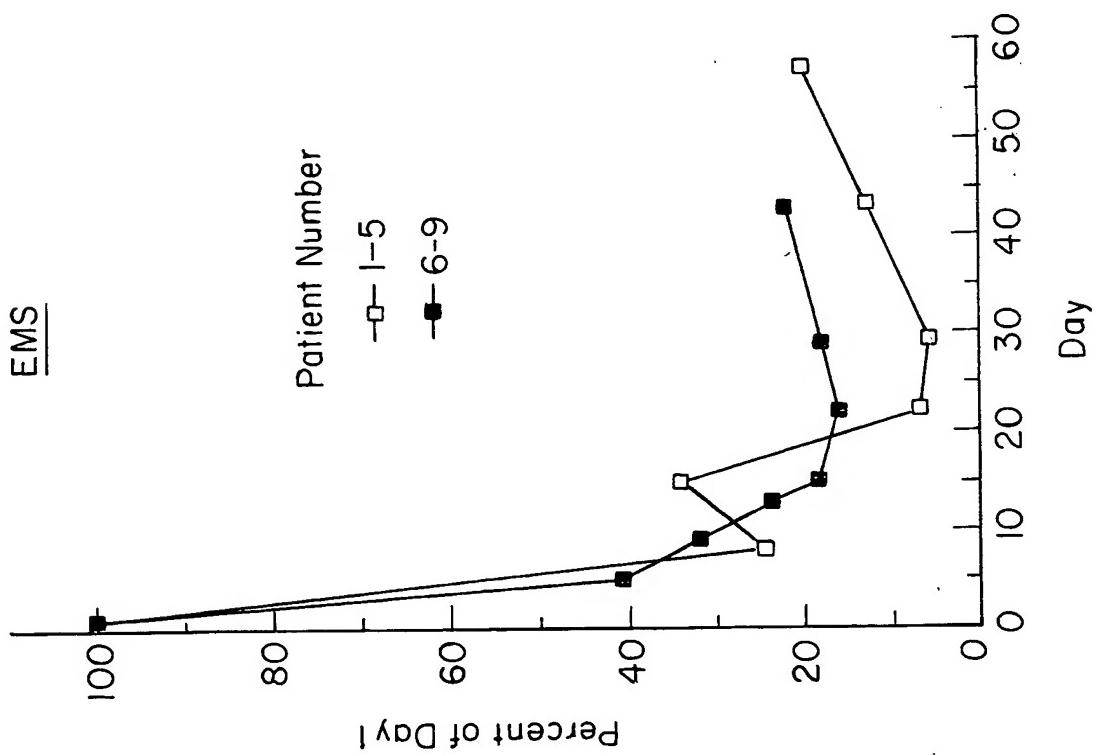


FIG. 17

SWOLLEN JOINTS

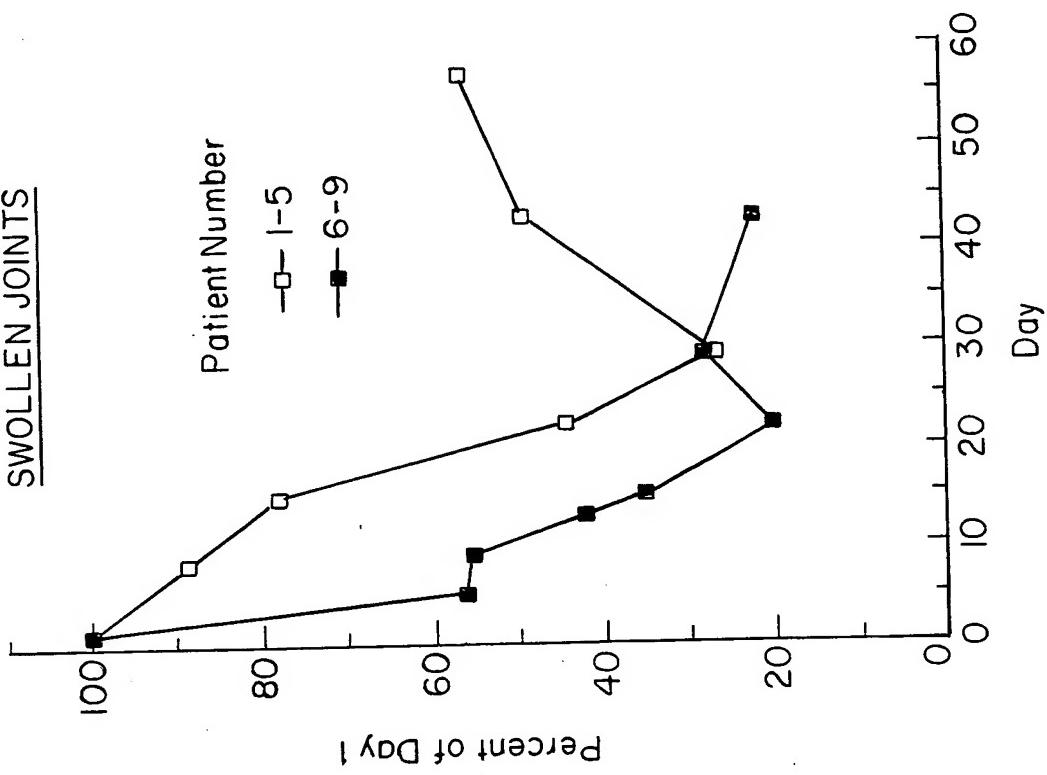


FIG. 20

RITCHIE ARTICULAR INDEX

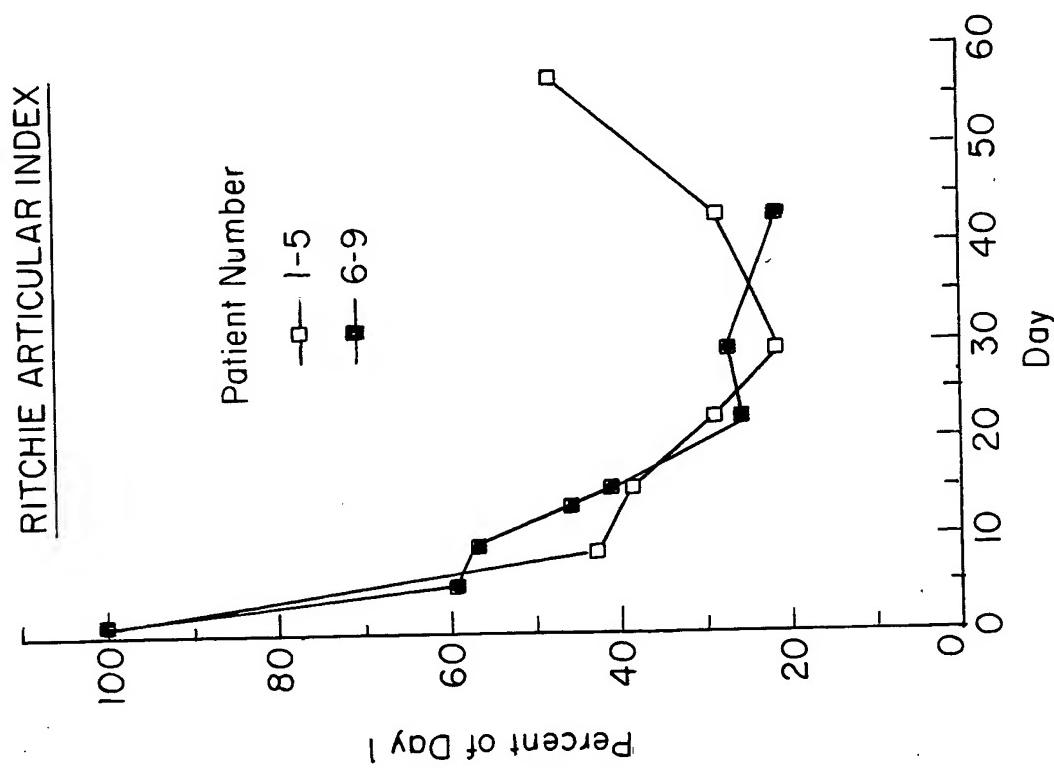


FIG. 19

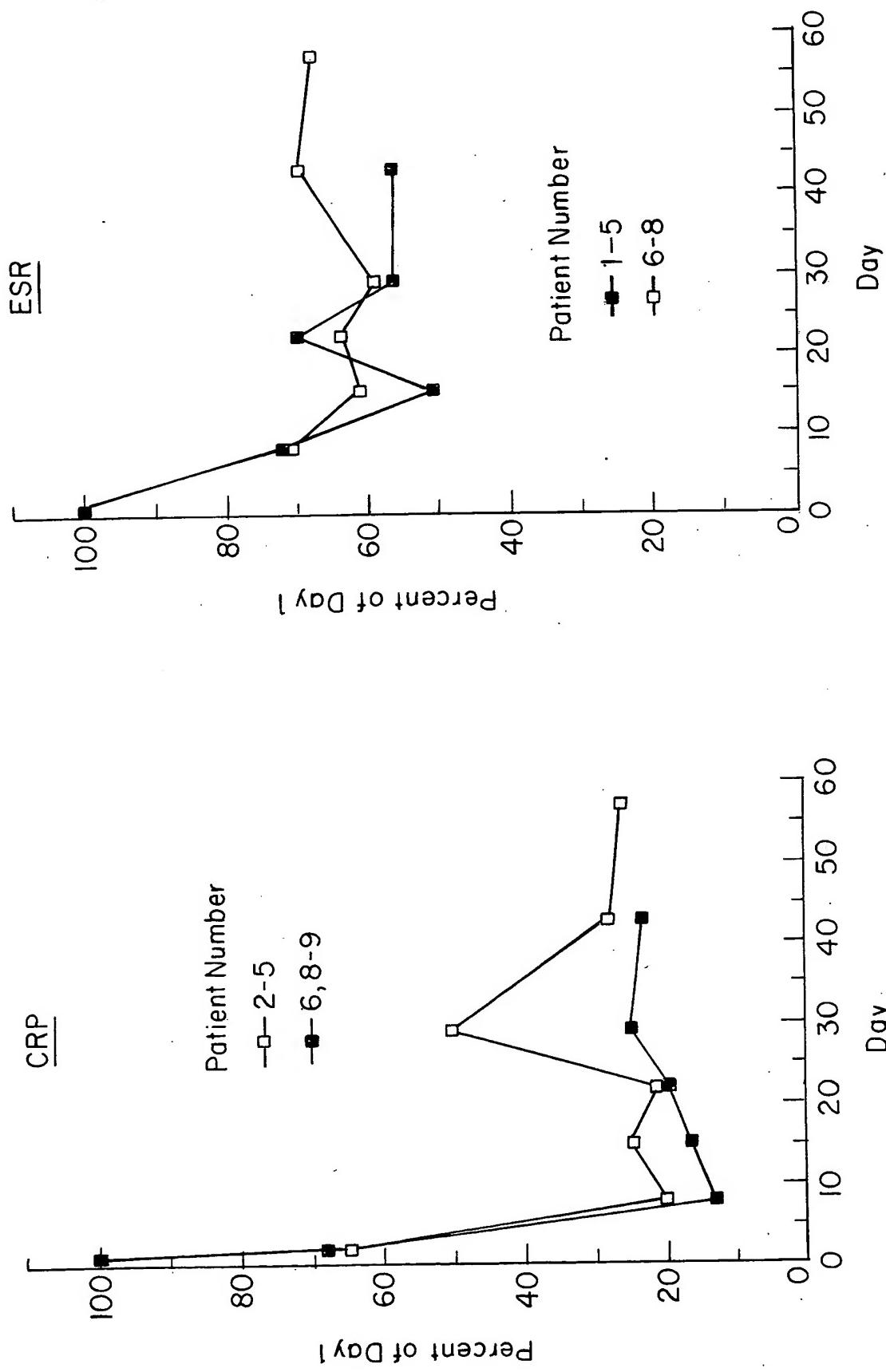


FIG. 22

FIG. 21

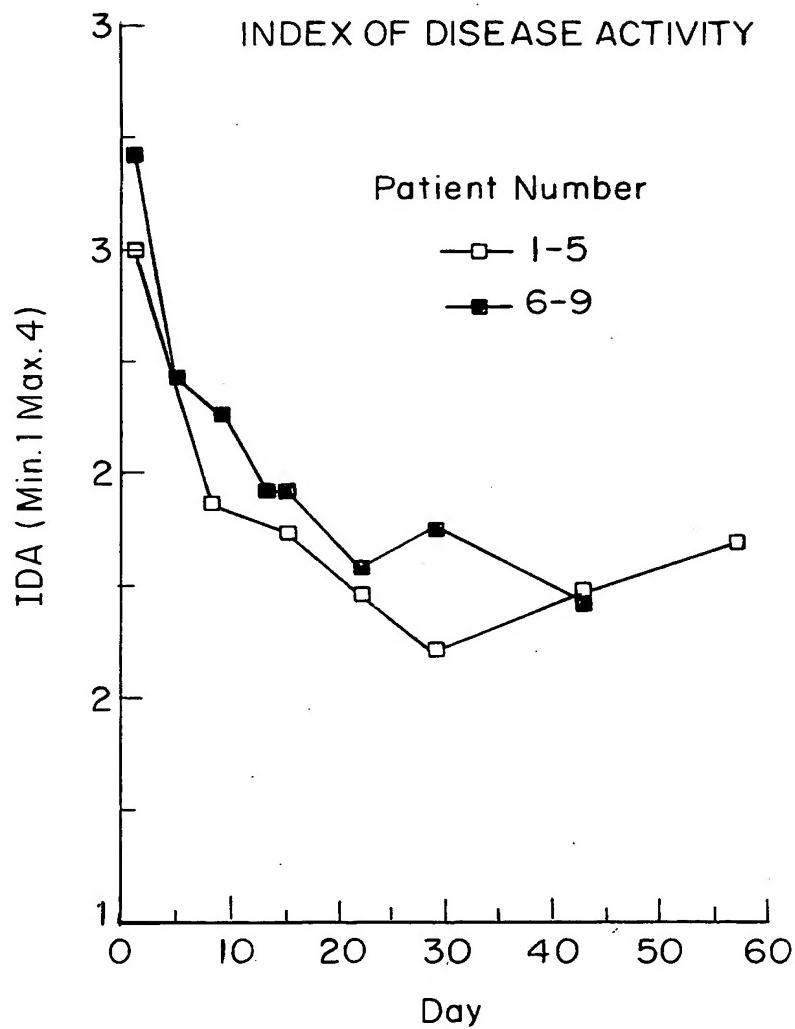
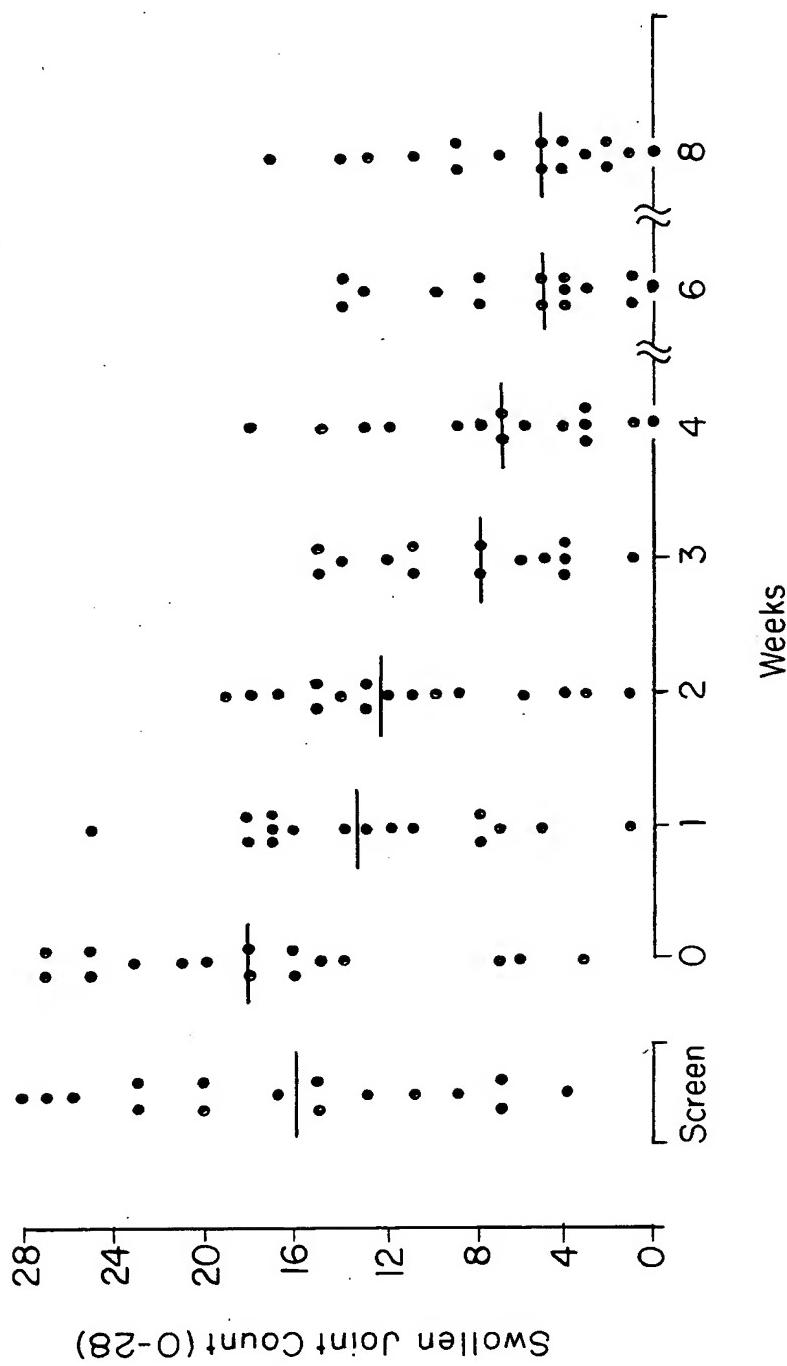


FIG. 23



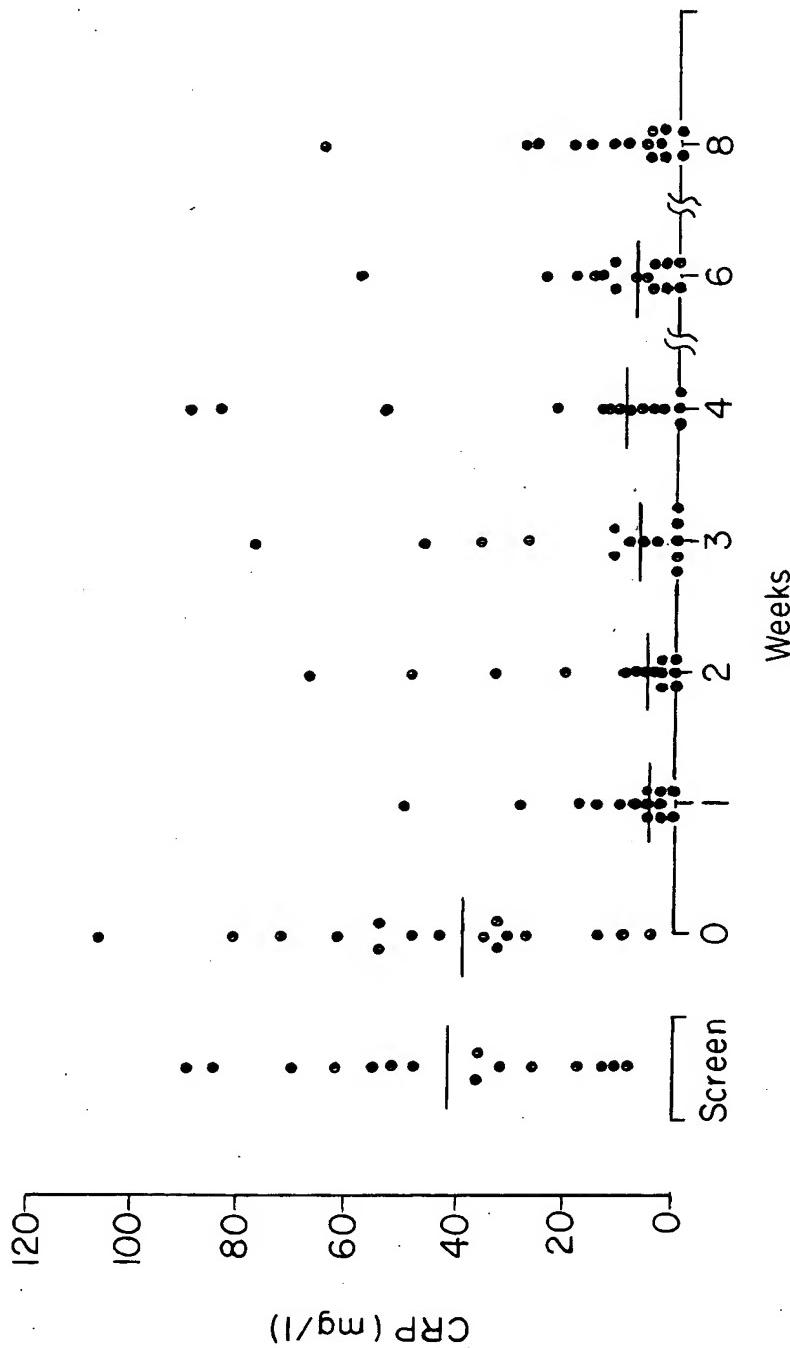


FIG. 25

FIG. 26A

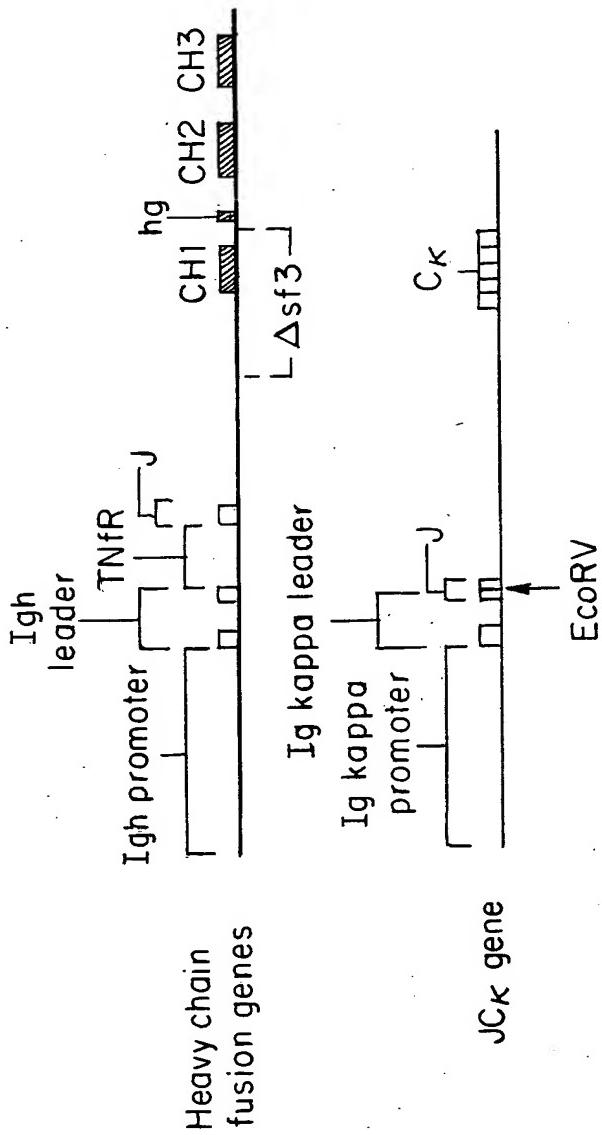
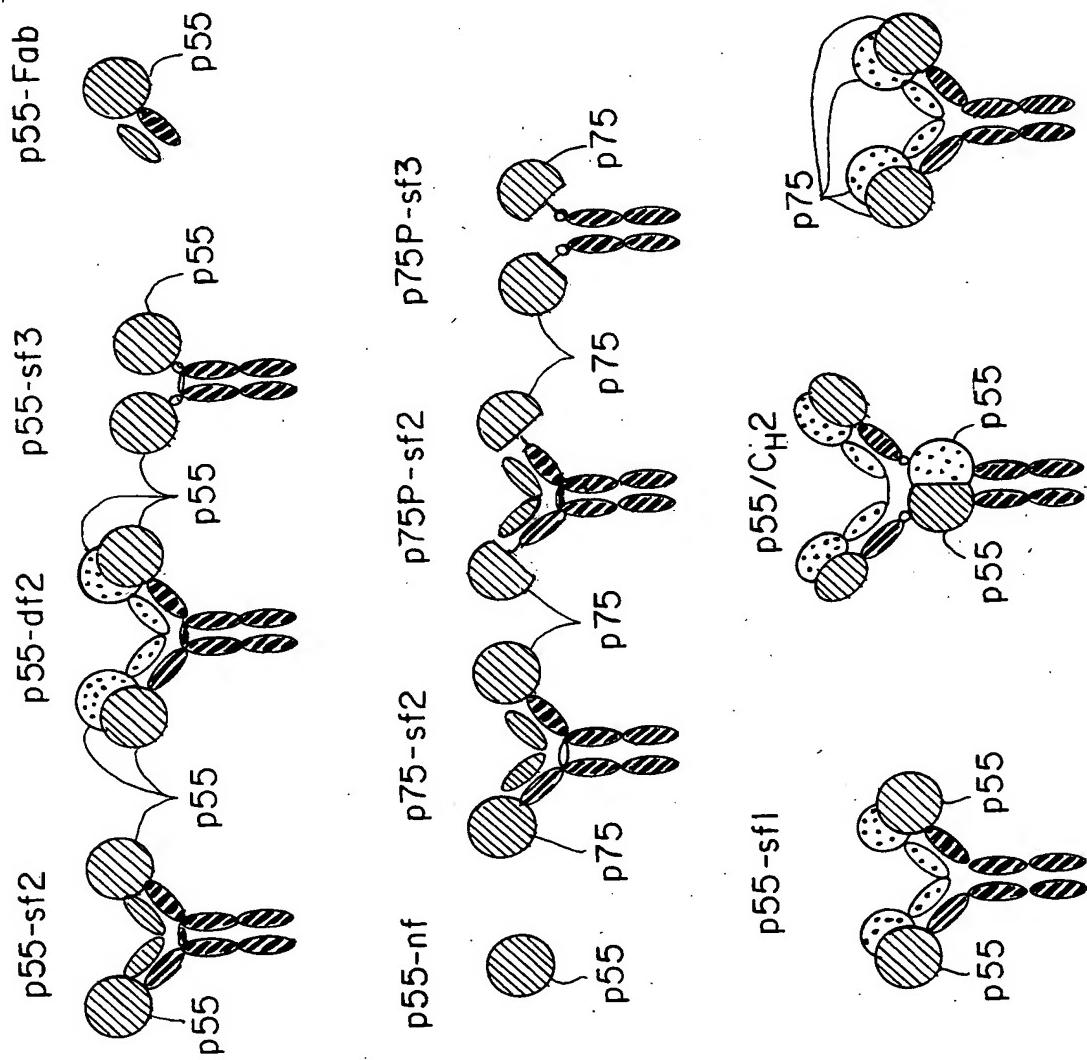
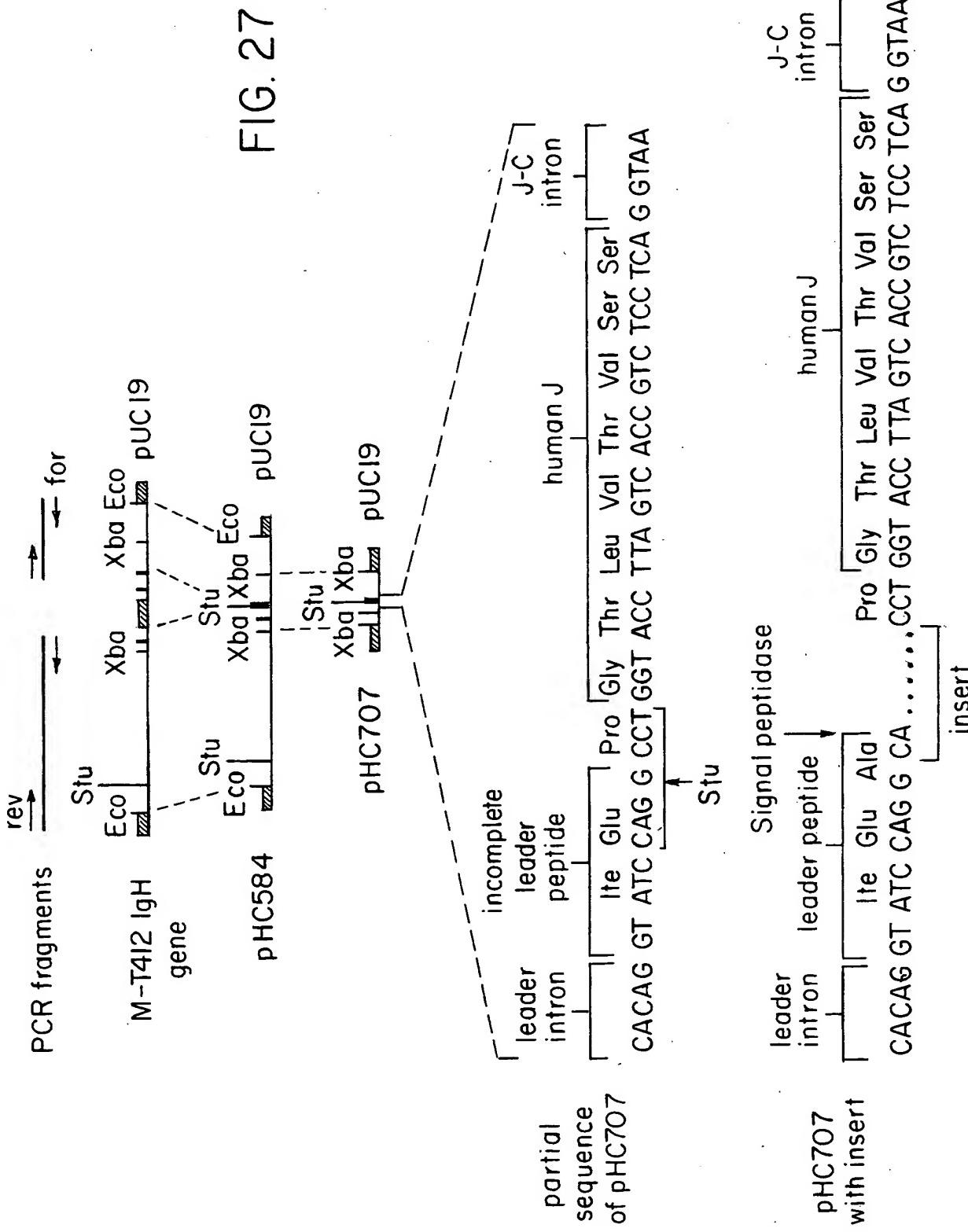


FIG. 26B





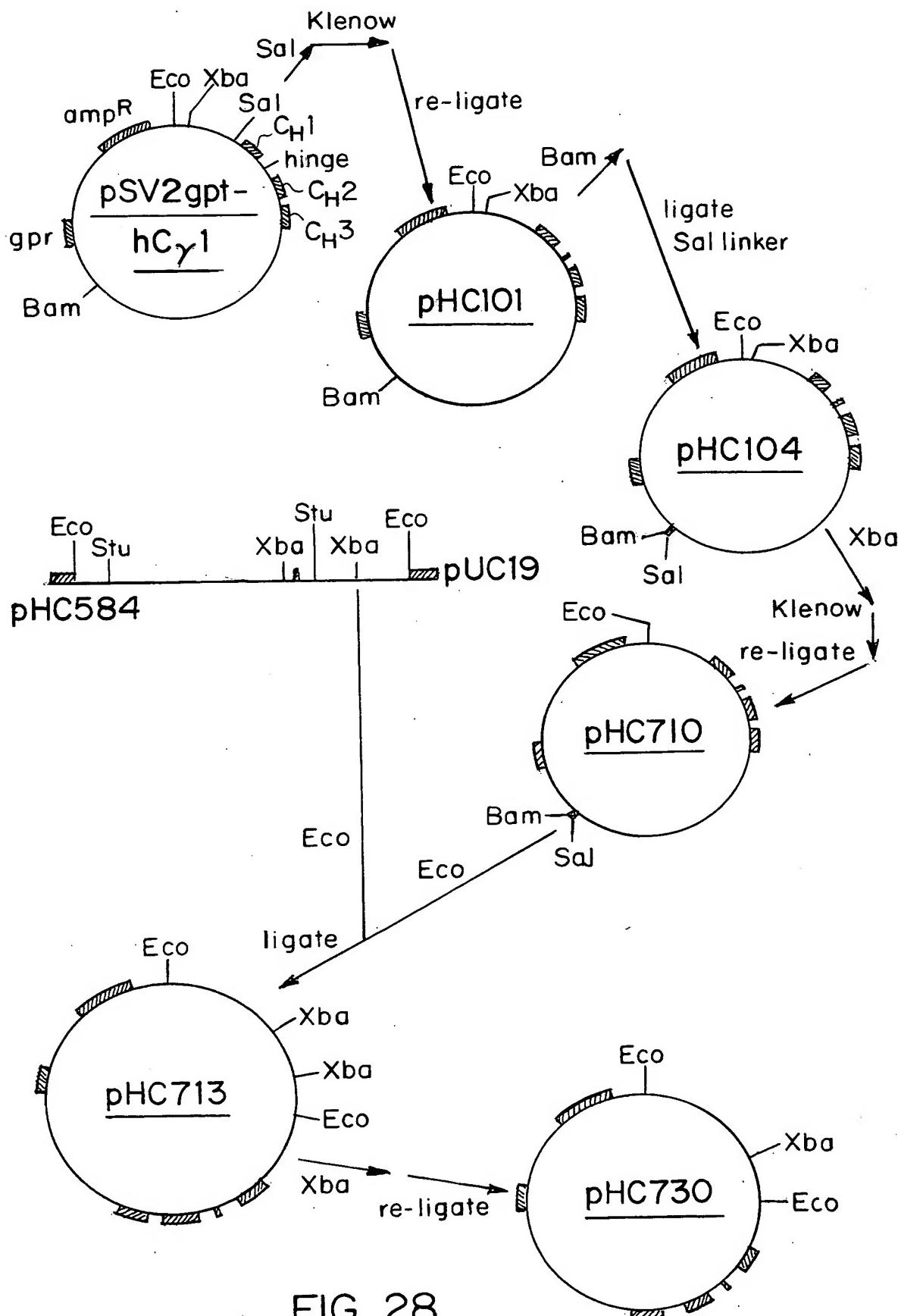


FIG. 28

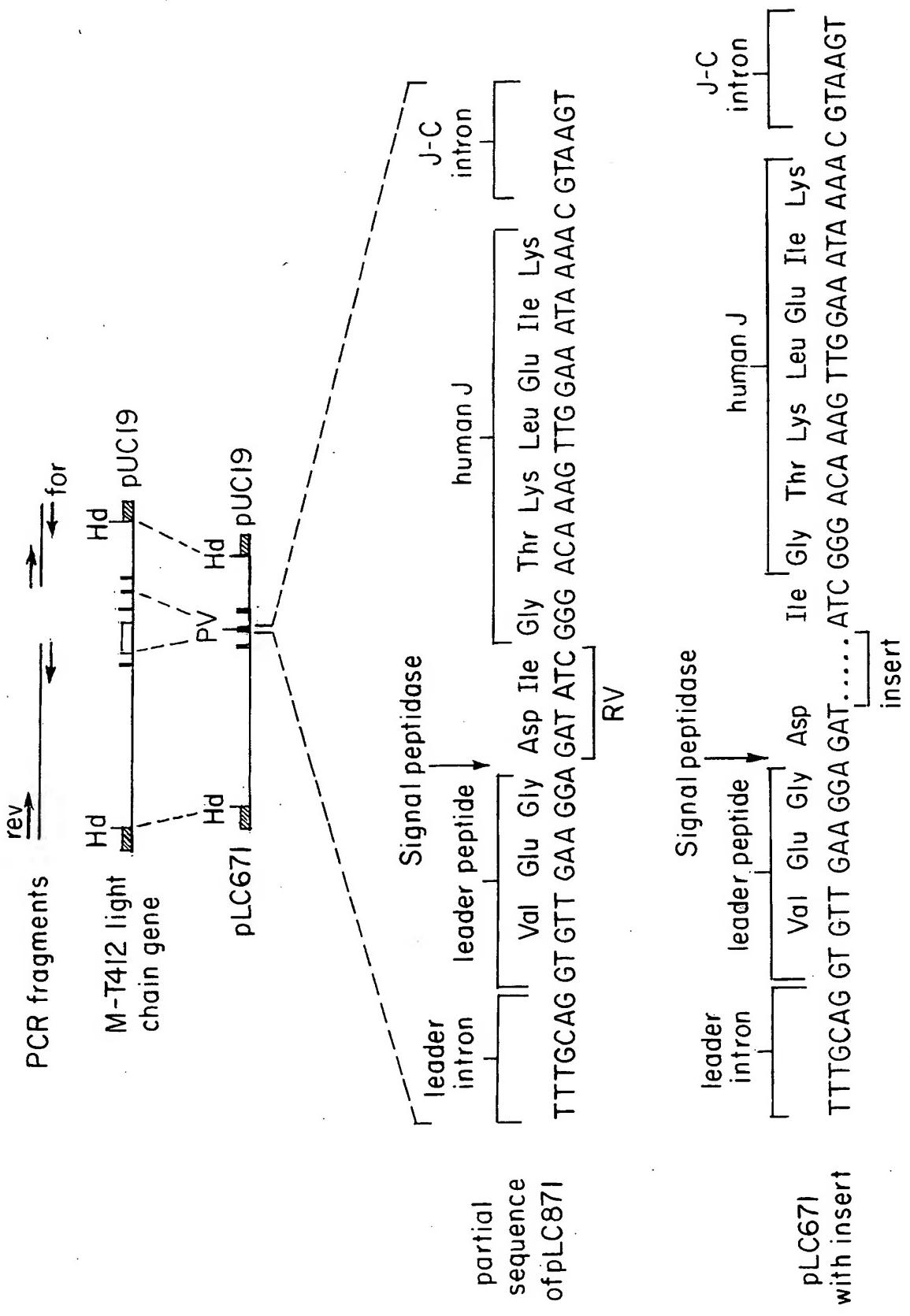


FIG. 29

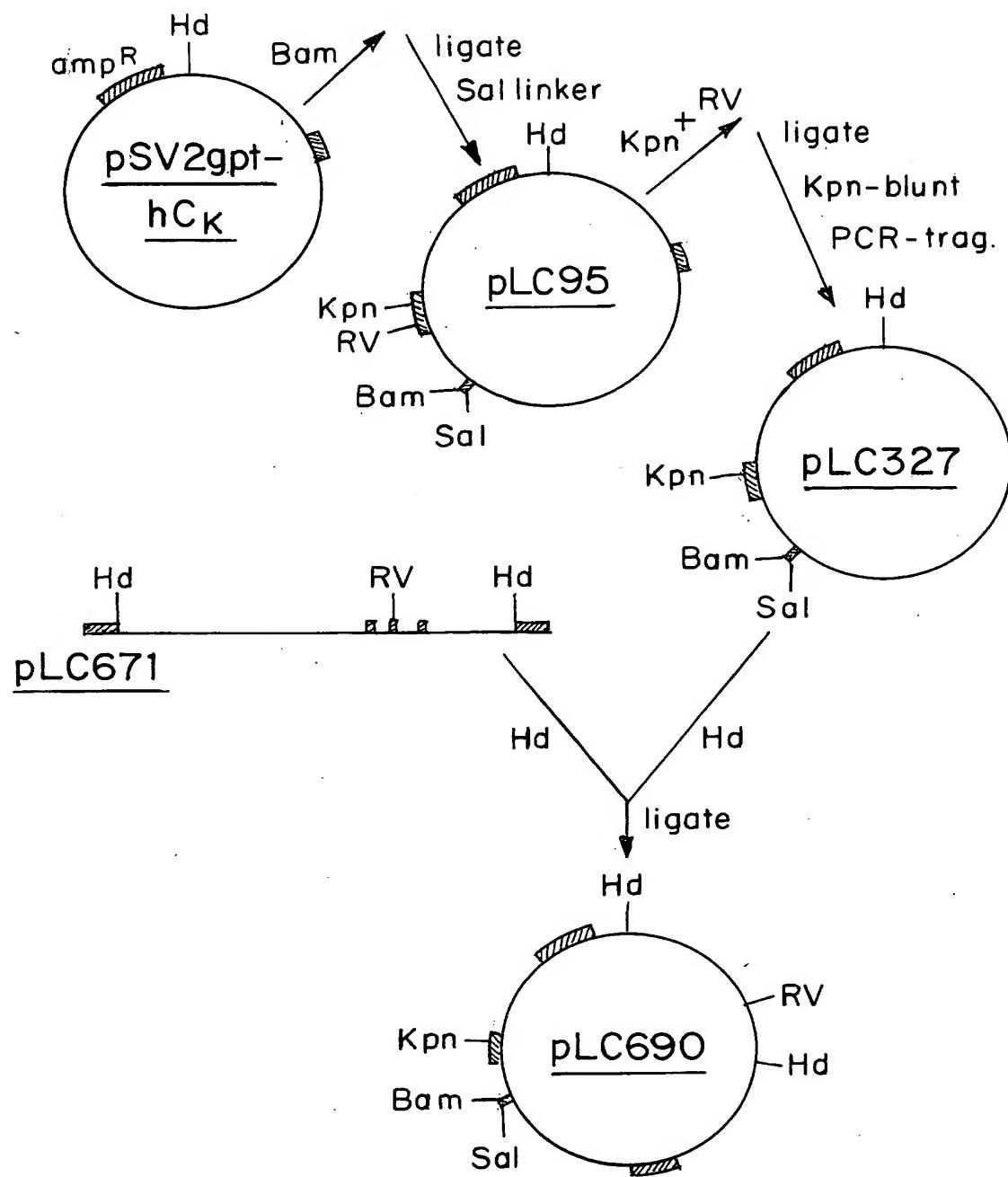


FIG. 30

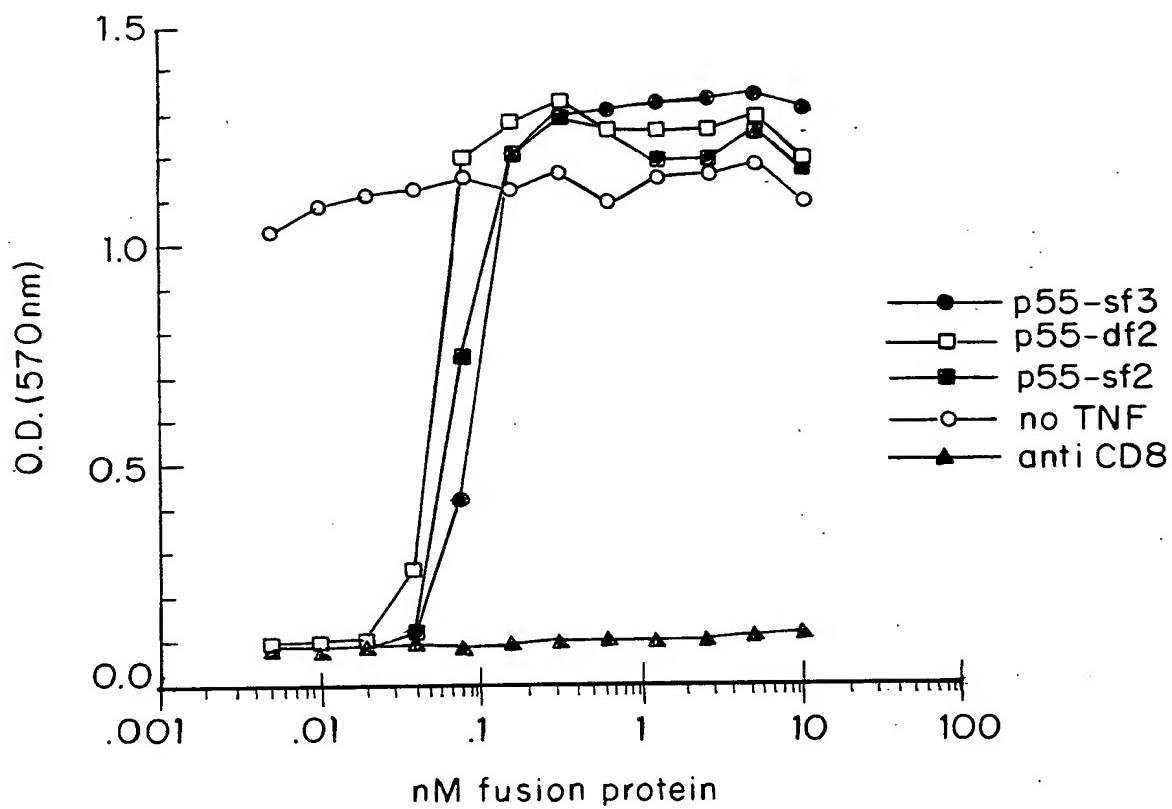


FIG. 31A

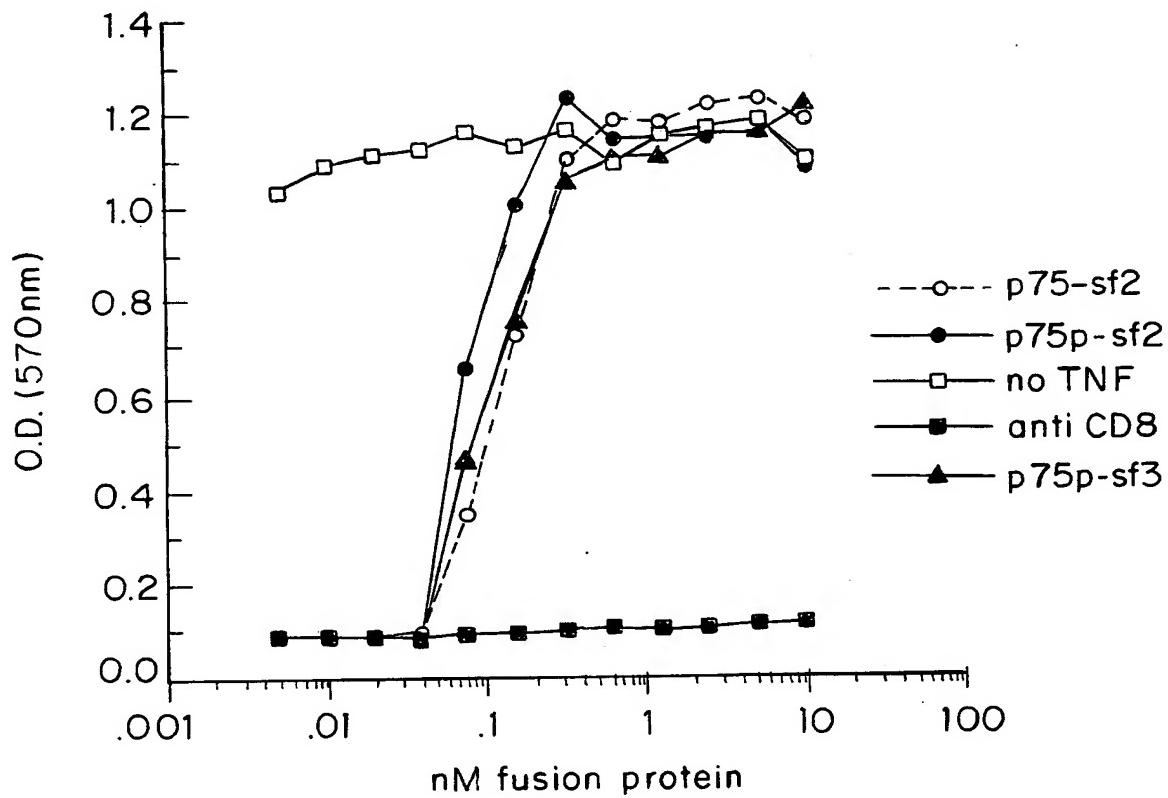


FIG. 3IB

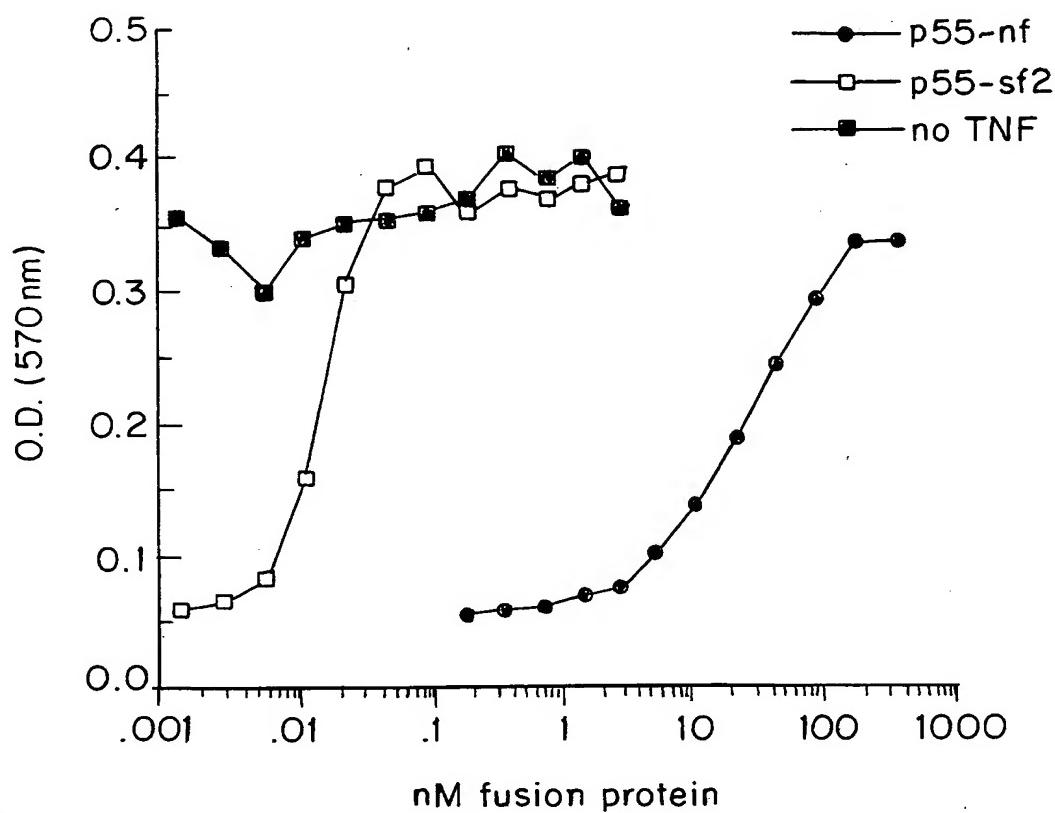


FIG. 31C

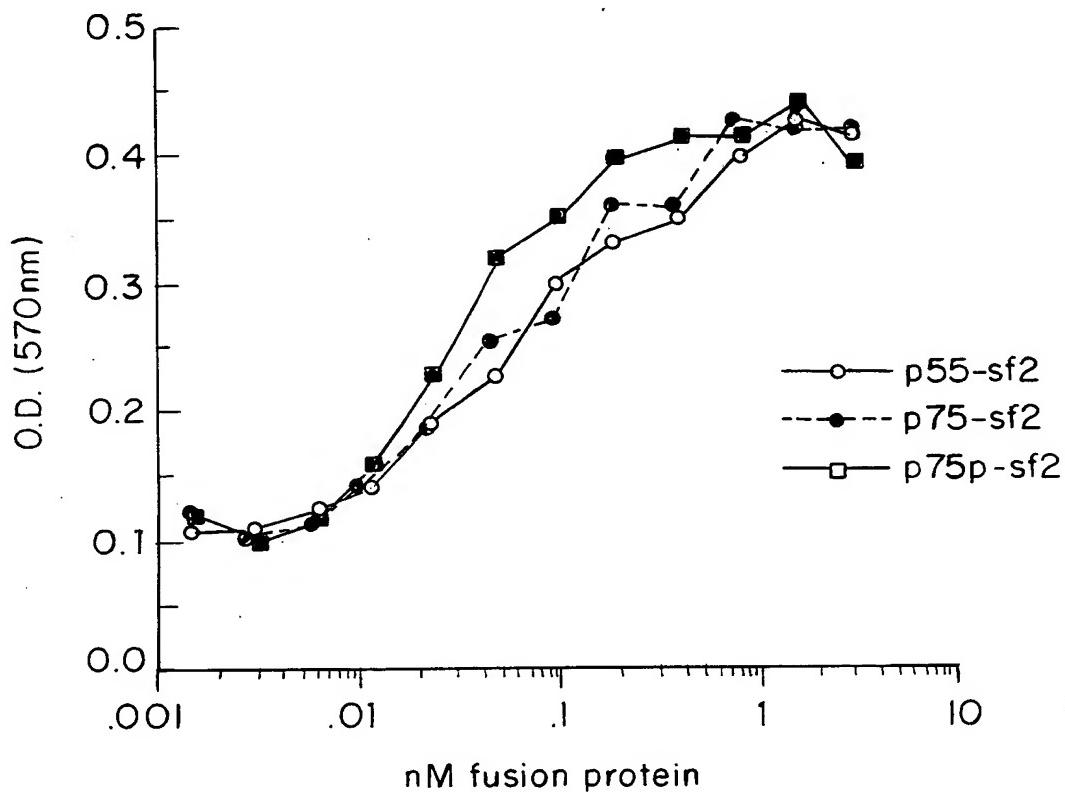


FIG. 32

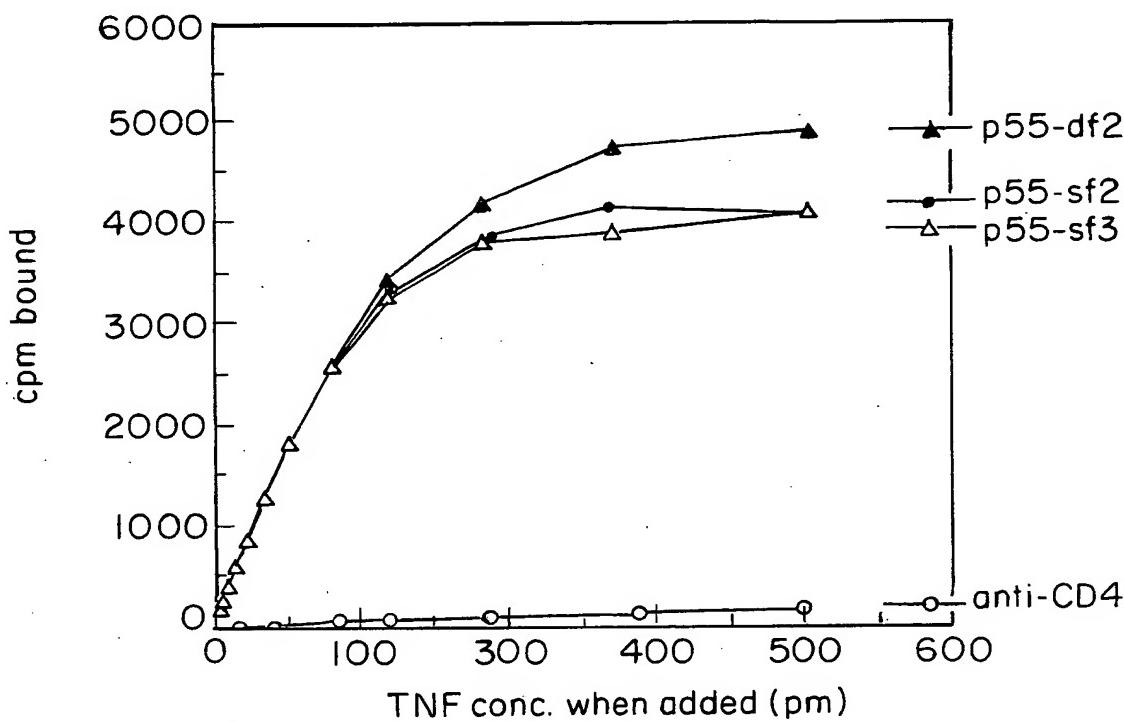


FIG. 33A

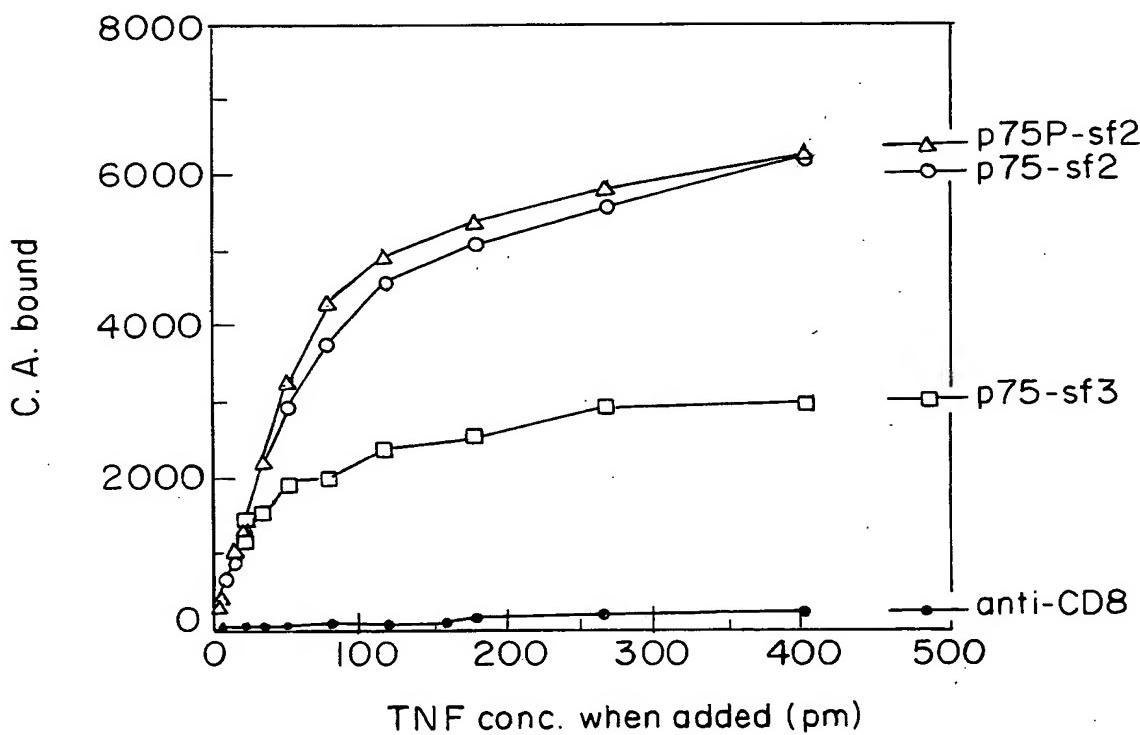


FIG. 33B

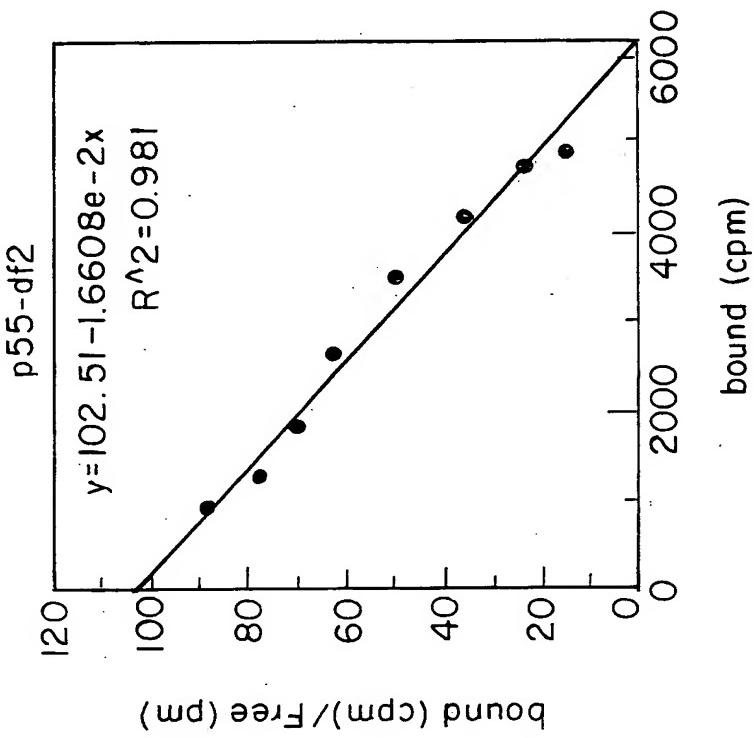


FIG. 33D

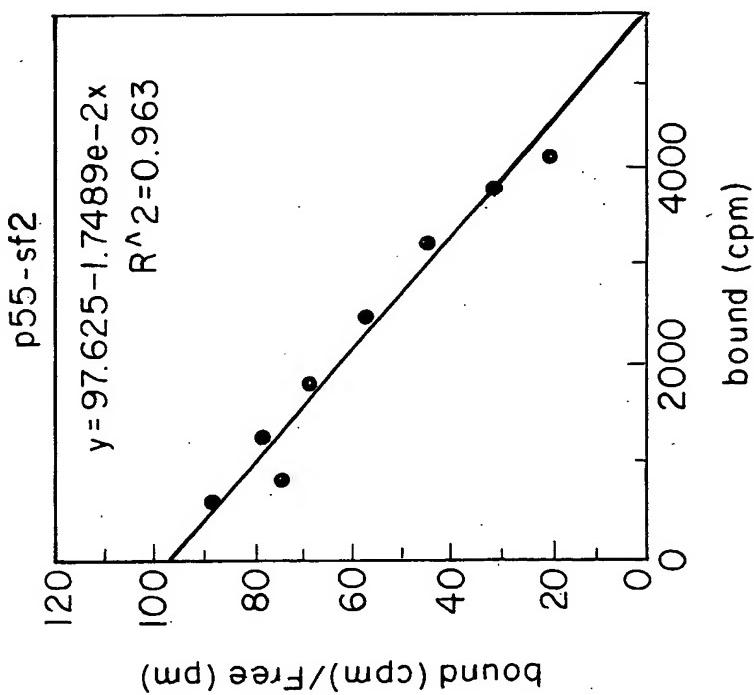


FIG. 33C

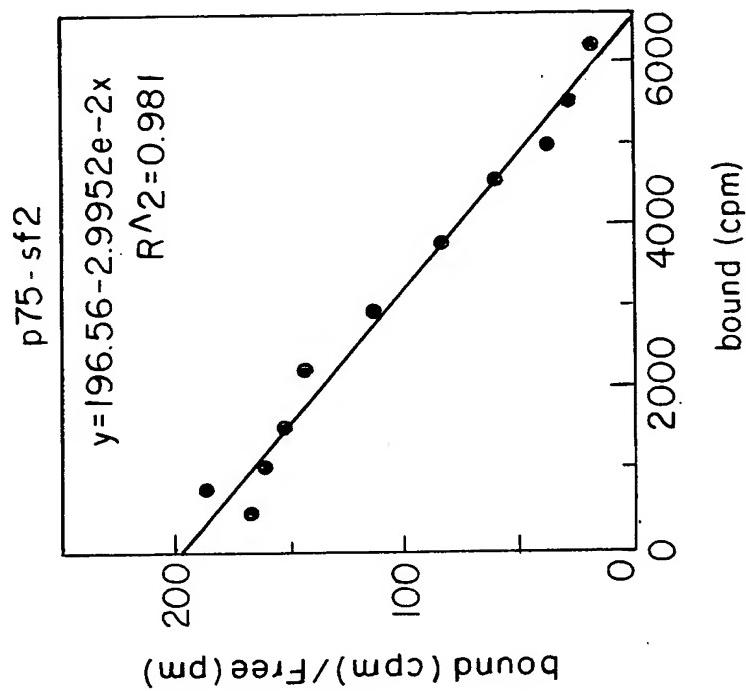


FIG. 33F

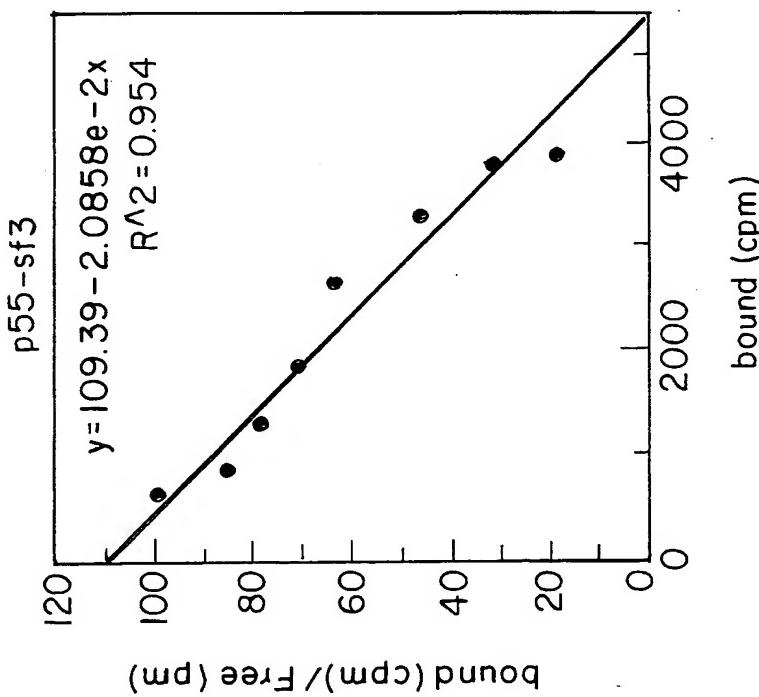


FIG. 33E

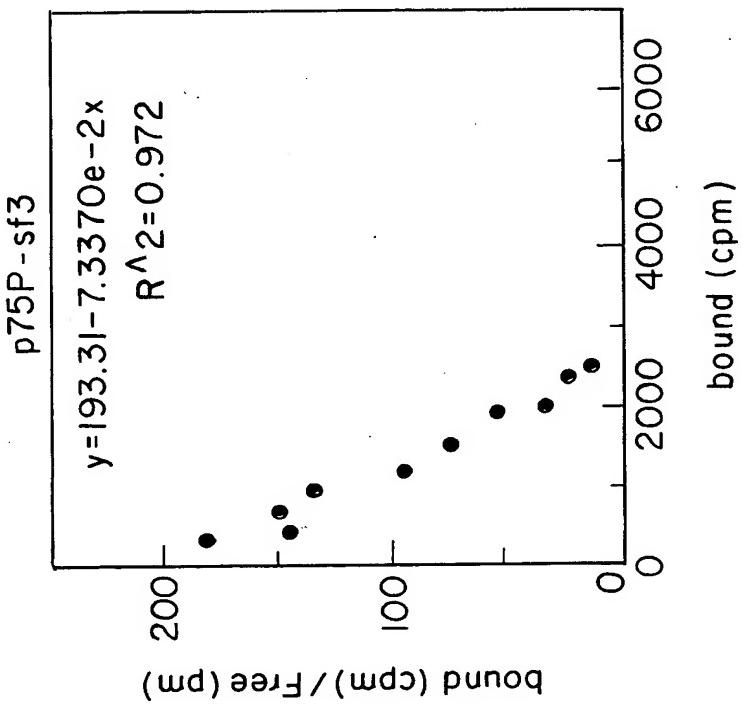


FIG. 33H

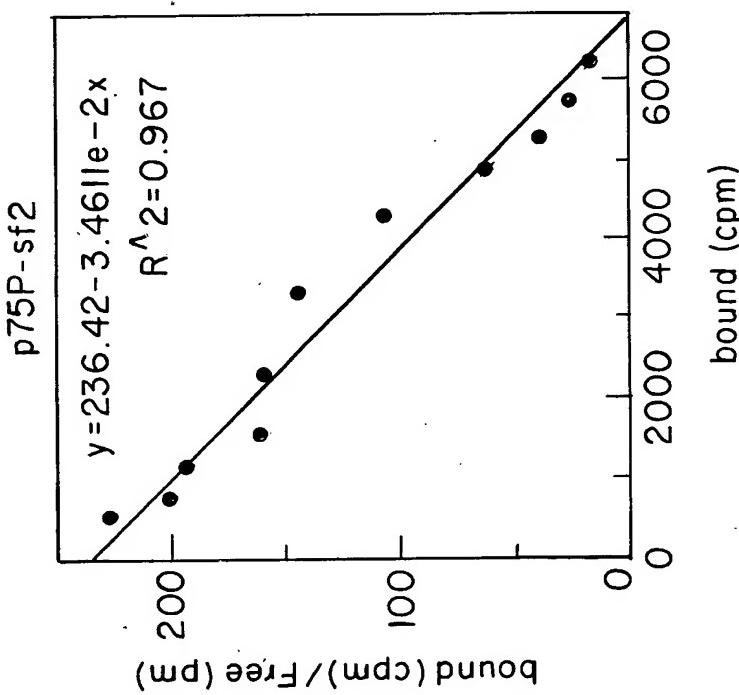
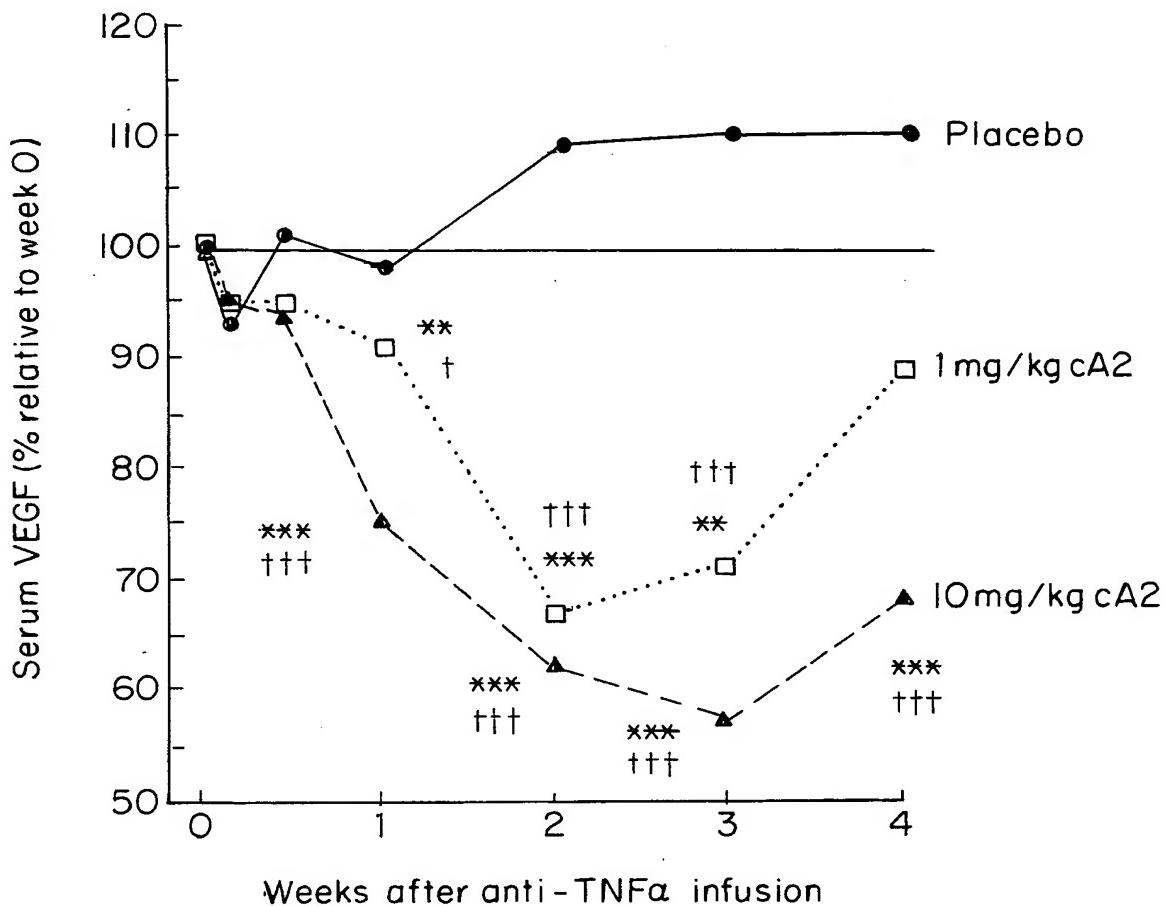


FIG. 33G



* p≤0.05, ** p≤0.01, *** p≤0.001 versus pre-infusion
† p≤0.05, †† p≤0.01, ††† p≤0.001 versus change in
placebo group

FIG. 34